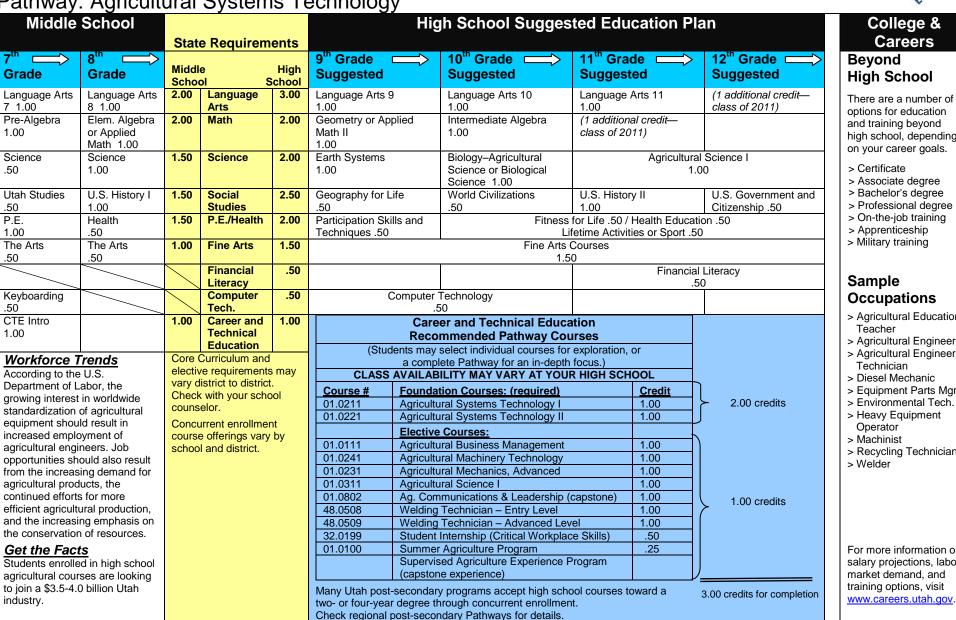
Area of Study: Agricultural Education

Pathway: Agricultural Systems Technology



College & **Careers** 

# **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > On-the-job training
- > Apprenticeship
- > Military training

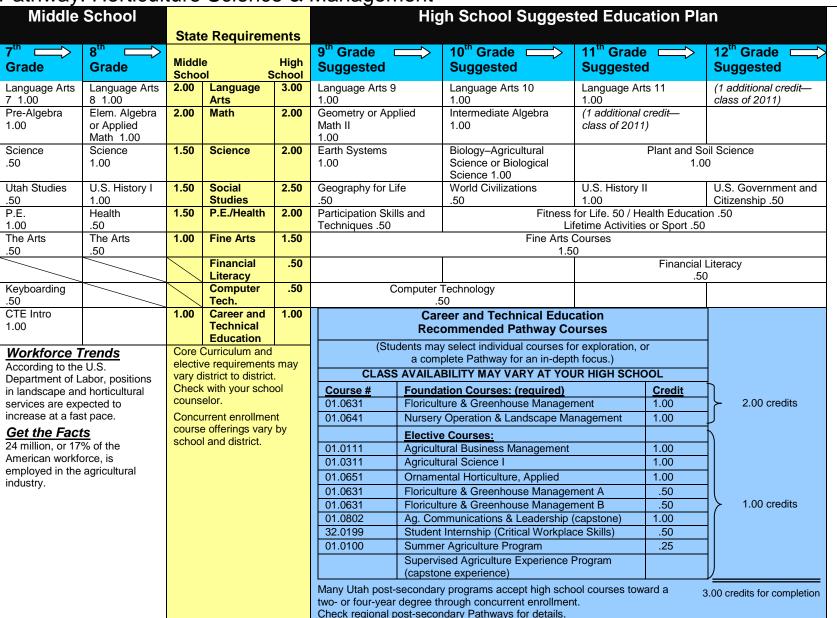
# **Occupations**

- > Agricultural Education
- > Agricultural Engineer
- > Agricultural Engineer
- > Diesel Mechanic
- > Equipment Parts Mgr.
- > Environmental Tech.
- > Heavy Equipment
- > Recycling Technician

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Area of Study: Agricultural Education

Pathway: Horticulture Science & Management





#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

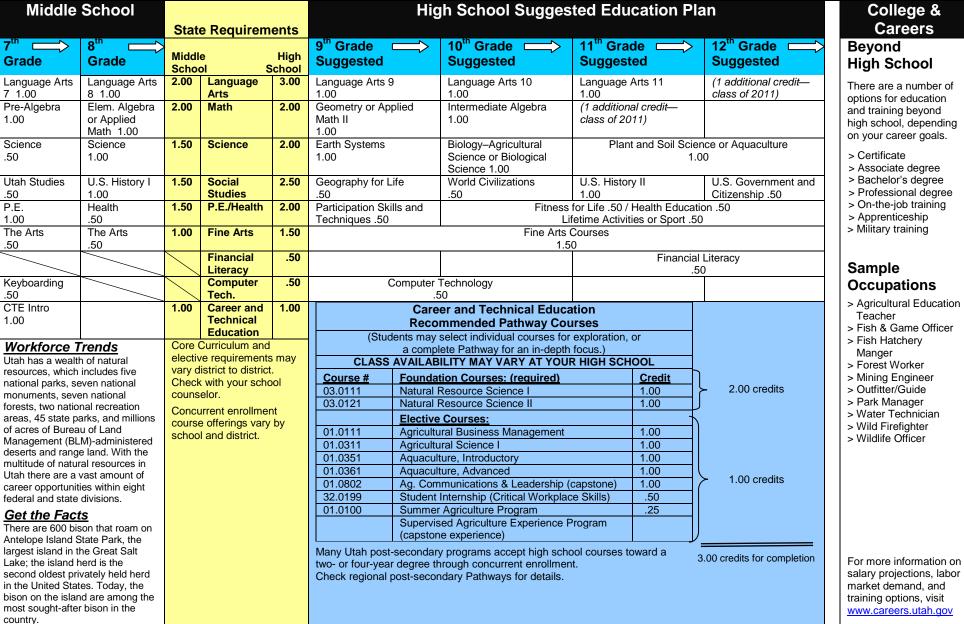
# Sample Occupations

- > Agricultural Education Teacher
- > Arborist
- > Botanist
- > Forest Geneticist
- > Golf Course Superintendent
- > Greenhouse Operator
- > Landscape Architect
- > Plant Breeder
- > Soil & Water Specialist
- > Tree Surgeon

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Agricultural Education

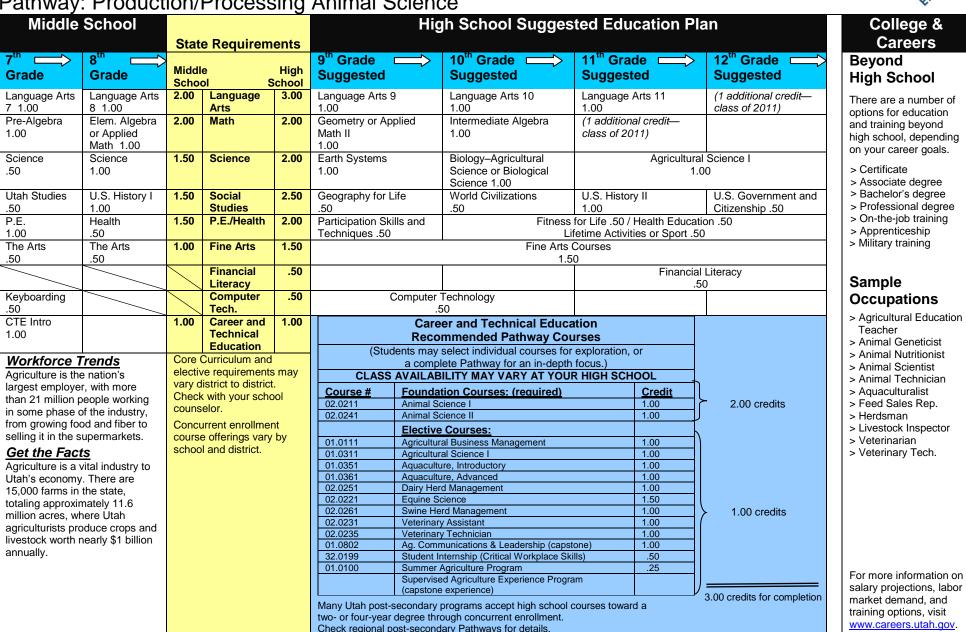




000103

Area of Study: Agricultural Education

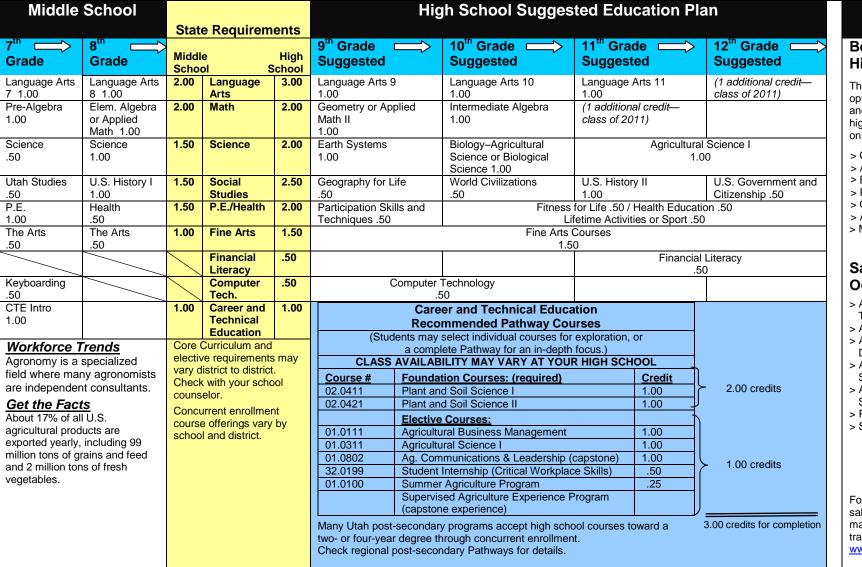
Pathway: Production/Processing Animal Science



000104 Revised Jan 09

Area of Study: Agricultural Education

Pathway: Production/Processing Plant & Soil Science



# College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

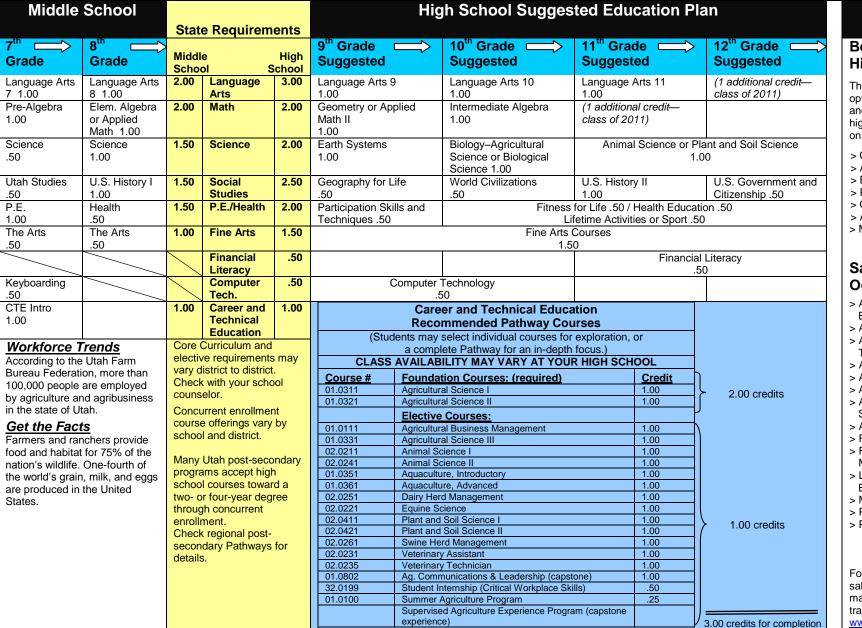
## Sample Occupations

- > Agricultural Education Teacher
- > Agronomist
- > Agronomy
- Department Manager > Agronomy Production
- Specialist > Agronomy Tech. Specialist
- > Plant Pathologist
- > Seed Sales Manager

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Agricultural Education

Pathway: Production/Processing Science & Management





# College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

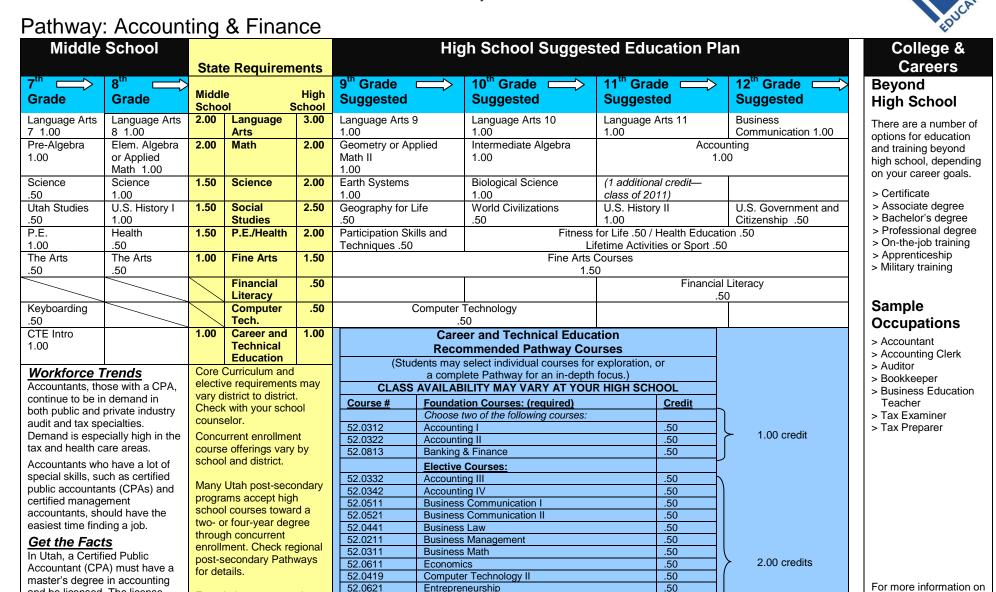
- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

# Sample Occupations

- > Ag. Commodity Broker
- > Ag. Economist
- > Ag. Education Teacher
- > Ag. Journalist
- > Aa. Lender
- > Ag. Loan Officer
- > Ag. Marketing Specialist
- > Ag. Products Buyer
- > Farm/Ranch Manager
- > Feed/Farm Supply Manager
- > Livestock Buyer/Seller
- > Meat inspector
- > Pesticide Applicator
- > Produce Buyer

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Business Education



Leadership Principles

Word Processing Basics

Student Internship (Critical Workplace Skills)

Word Processing

Marketing

.50

.50

.50

.50

.50

3.00 credits for completion

005201

**Note:** For more information, talk to your school counselor.

credit.

Foundation courses taken

can be used as elective

beyond the required credits

08.0211

08.0708

52.0471

52.0461

32.0199

and be licensed. The license

must be renewed every two

years.

salary projections, labor

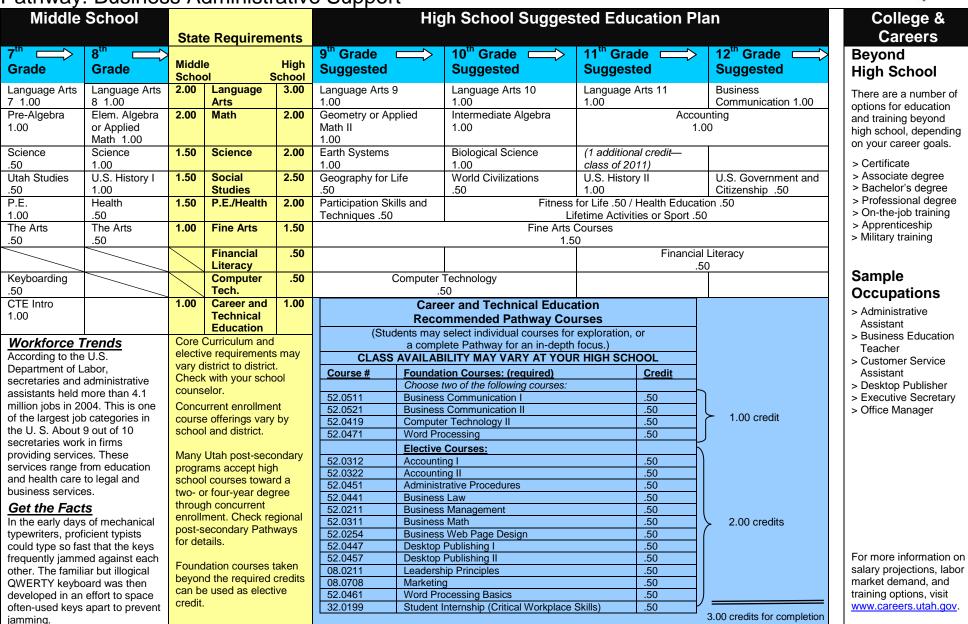
market demand, and

training options, visit

www.careers.utah.gov.

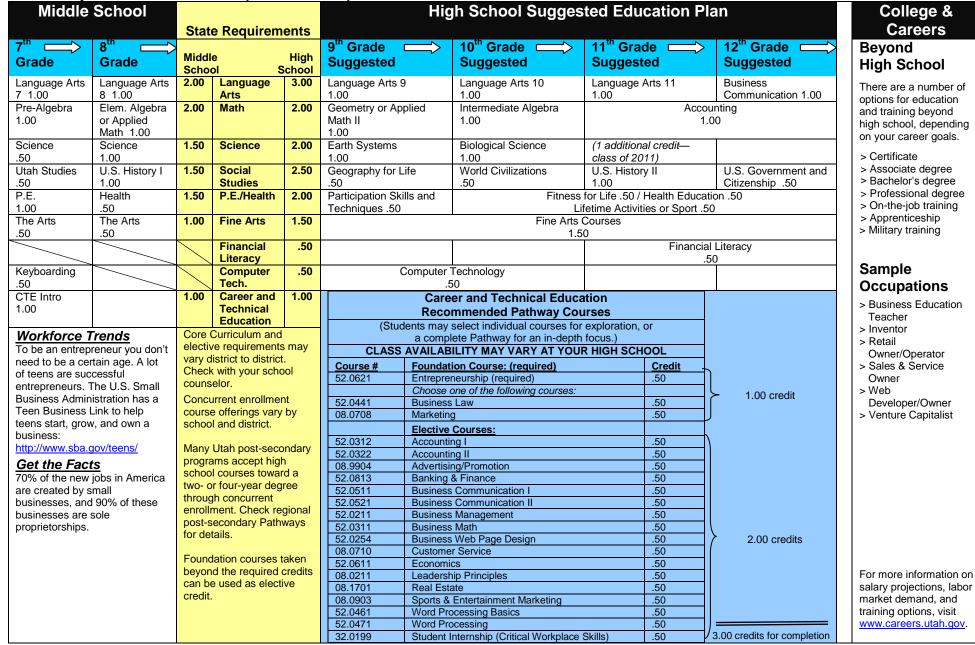
Area of Study: Business Education

Pathway: Business Administrative Support



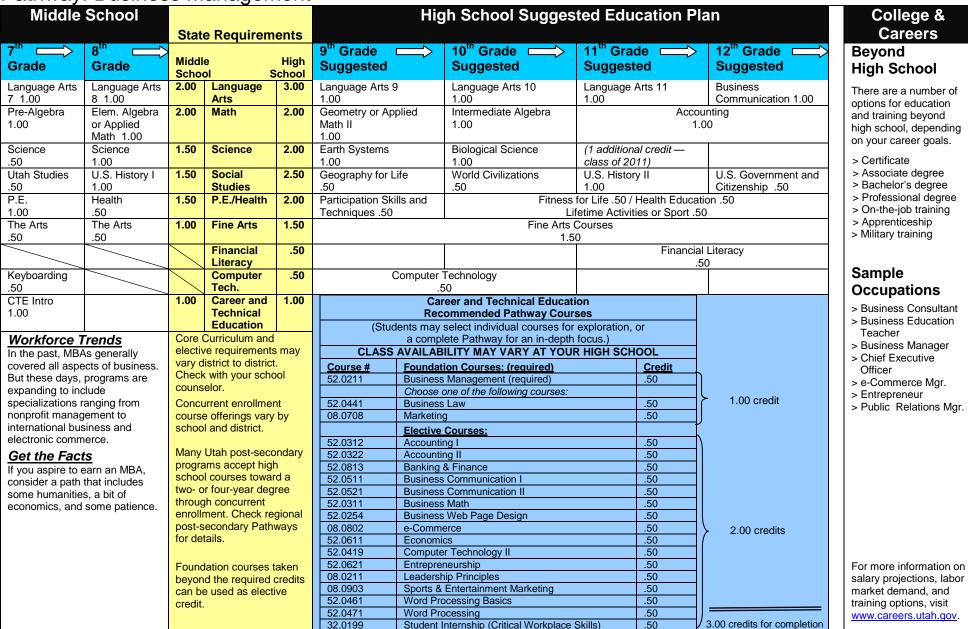
Area of Study: Business Education





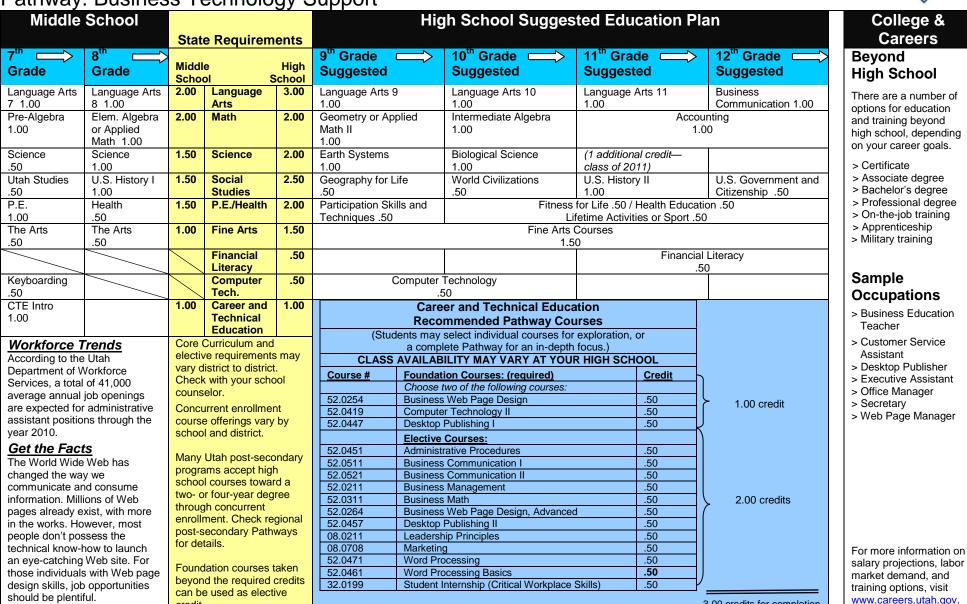
Area of Study: Business Education

Pathway: Business Management



Area of Study: Business Education

Pathway: Business Technology Support



005203

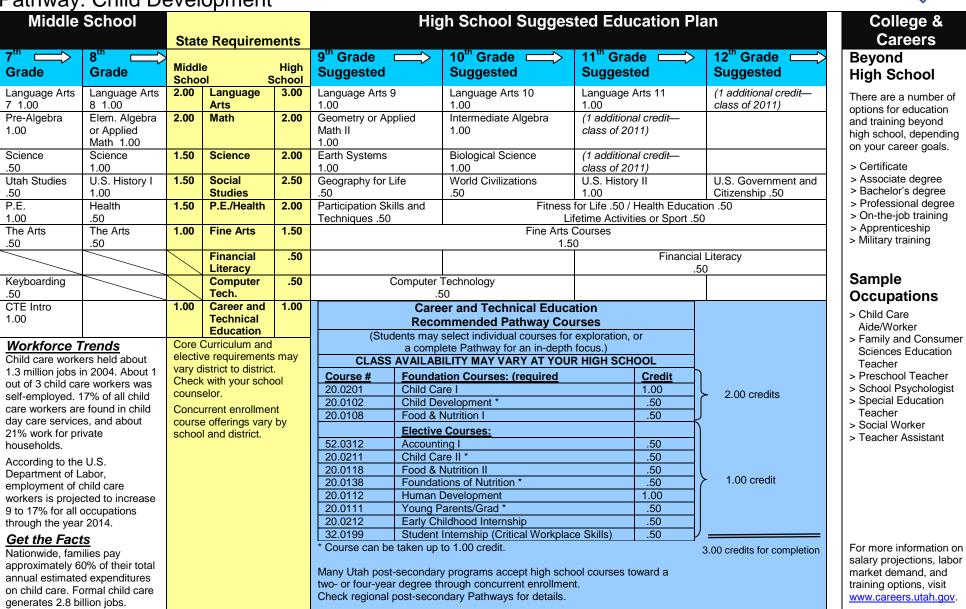
Note: For more information, talk to your school counselor.

credit.

3.00 credits for completion

Area of Study: Family & Consumer Sciences Education

Pathway: Child Development

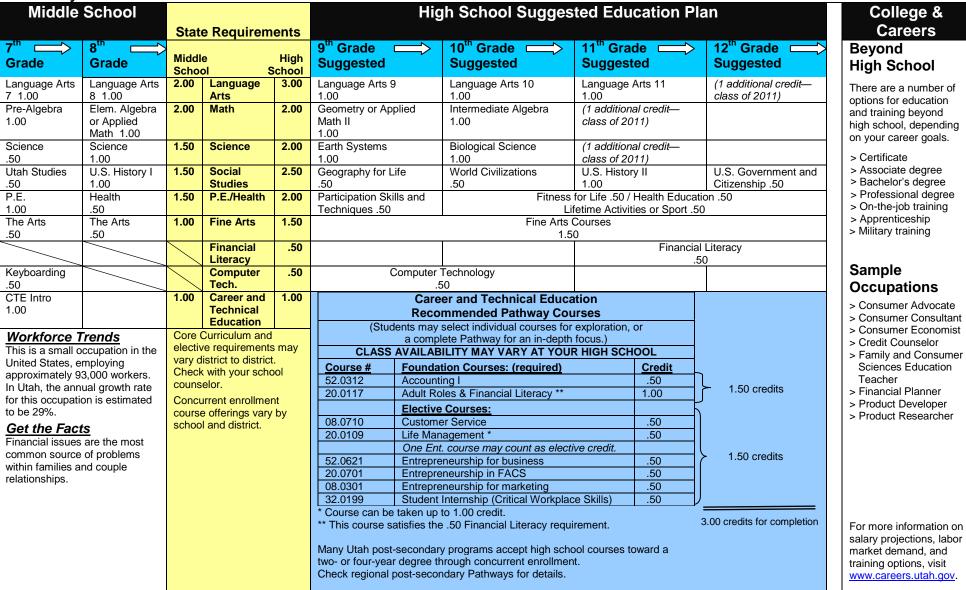


002001

**Note:** For more information, talk to your school counselor.

Area of Study: Family & Consumer Sciences Education

#### Pathway: Consumer Economics Services



There are a number of options for education and training beyond high school, depending

- > Family and Consumer Sciences Education

salary projections, labor market demand, and training options, visit www.careers.utah.gov.

# High School to College and Career Pathway: Secondary Area of Study: Family & Consumer Sciences Education

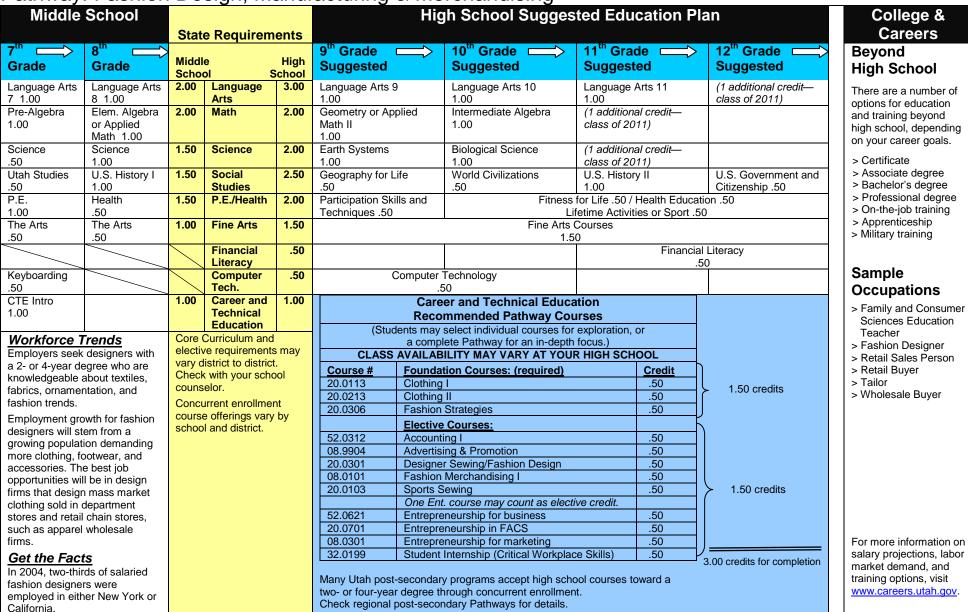
Pathway: Family & Human Services



Middle	School	State	e Requirem	ents	Hi	College & Careers				
7''' ===> Grade	8 <sup>th</sup> —> Grade	Middl School	ol S	High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade —— Suggested	Suggested	Beyond High School	
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education	
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, dependir on your career goals.	
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit— class of 2011)		> Certificate	
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	<ul><li>&gt; Associate degree</li><li>&gt; Bachelor's degree</li></ul>	
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50		for Life50 / Health Edu ifetime Activities or Spor		<ul><li>&gt; Professional degree</li><li>&gt; On-the-job training</li><li>&gt; Apprenticeship</li></ul>	
The Arts .50	The Arts .50	1.00	Fine Arts	1.50		Fine Arts Courses 1.50				
			Financial Literacy	.50			Finan	cial Literacy .50		
Keyboarding .50			Computer Tech.	.50		Technology .50			Sample Occupations	
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Rec	eer and Technical Educ ommended Pathway Co y select individual courses fo	urses		> Child Care Aide/Worker	
Workforce 7 According to the			Curriculum and re requirements		a com	> Family and Consume Sciences Education Teacher > Preschool Teacher > Social Worker				
Department of L community serv	abor, family and ce employees	vary district to district. Check with your school counselor. Concurrent enrollment course offerings vary by school and district.  Foundation courses taken beyond the required credits can be used as elective			Course # Found		tion Courses: (required) Credit evelopment * .50		$\frac{1}{2}$	
hold about 2.2 n Some of the fas	test growing				20.0108 Food a	nd Nutrition I e one of the following course	.50	1.50 credits	> Teacher Assistant	
occupations in t	the social				20.0117 Adult R	coles & Financial Literacy ** toles & Responsibilities	1.00			
services, especi involve working					Electiv	e Courses:		式		
Get the Fact Studies have sh	<u>ts</u> own that a				20.0138 Founda	& Nutrition II ations of Nutrition *	.50 .50			
harmonious marriage relationship promotes		credit.			20.0109 Life Ma	Development *	1.00 .50	1.50 credits		
competence and maturity in the couple's children. Other studies						t Internship (Critical Workpla	.50 ace Skills) .50	3.00 credits for completion		
have demonstrated that marital conflict may result in cognitive delay, school difficulties, and					* Course can be taken up ** This course satisfies the	For more information salary projections, lal market demand, and				
antisocial or withdrawn behavior.					Many Utah post-seconda two- or four-year degree Check regional post-secondary	training options, visit www.careers.utah.go				

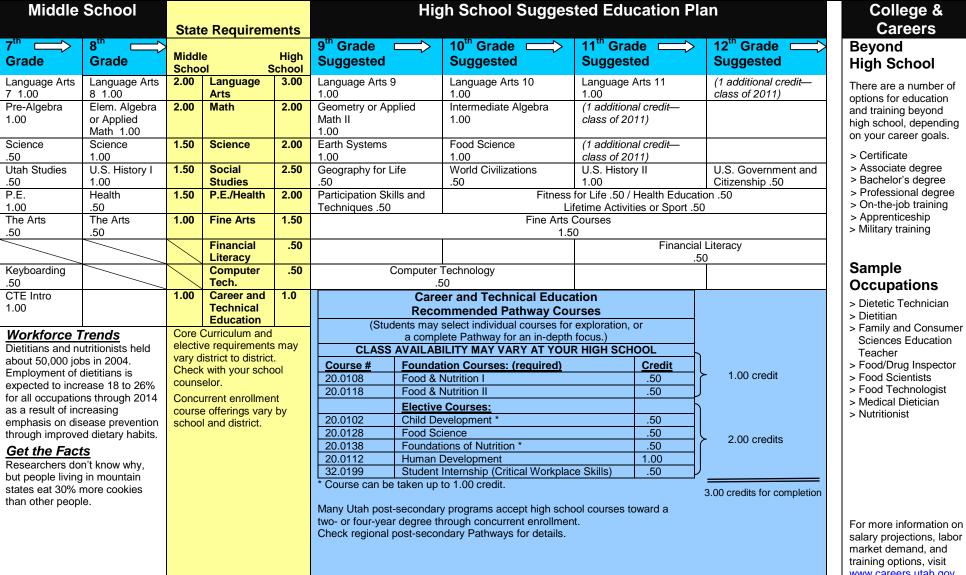
Area of Study: Family & Consumer Sciences Education

Pathway: Fashion Design, Manufacturing & Merchandising



Area of Study: Family & Consumer Sciences Education

#### Pathway: Food Science, Dietetics, & Nutrition



There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > On-the-job training
- > Military training

## **Occupations**

- > Dietetic Technician
- > Family and Consumer Sciences Education
- > Food/Drug Inspector

salary projections, labor market demand, and training options, visit www.careers.utah.gov.

# High School to College and Career Pathway: Secondary Area of Study: Family & Consumer Sciences Education

Pathway: Food Service & Culinary Arts



Middle School State Requirements					High School Suggested Education Plan					College & Careers
7 <sup>th</sup> $\Longrightarrow$ Grade	8 <sup>th</sup> —> Grade	Middl School	ol S	High School	Suggested	$\Longrightarrow$	10 <sup>th</sup> Grade  Suggested	11 <sup>th</sup> Grade Suggested	Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00		Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Appl Math II 1.00	lied	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00		Biological Science 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Lif .50		World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	<ul><li>&gt; Associate degree</li><li>&gt; Bachelor's degree</li></ul>
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills Techniques .50	s and	Li	for Life .50 / Health Educated fetime Activities or Sport .		> Professional degree > On-the-job training
The Arts .50	The Arts .50	1.00	Fine Arts	1.50			Fine Arts 1.5		> Apprenticeship > Military training	
			Financial Literacy	.50				Financi	al Literacy .50	
Keyboarding .50			Computer Tech.	.50	Co		Technology 50			Sample Occupations
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Career and Technical Education Recommended Pathway Courses (Students may select individual courses for exploration, or					> Baker > Butcher/Meat Cutter > Caterer
Workforce 7 Chefs, cooks, and	nd food	Core Curriculum and elective requirements may vary district to district.		CLASS A		elete Pathway for an in-depth BILITY MAY VARY AT YOU		> Chef/Head Cook > Chocolatier		
preparation work 3.1 million jobs i	n 2004.	Check with your school counselor.			20.0108		tion Courses: (required) Nutrition I	<u>Credit</u> .50		> Family and Consumer Sciences Education Teacher > Food Service Director > Food Service Manager > Food Stylist > Pastry Chef
Job openings fo and food prepar	ation workers	Concurrent enrollment		20.0118		Nutrition II one of the following:	.50	2.00 credits		
	r 2014; however,	course offerings vary by school and district.  Foundation courses taken				Food Se	ervice/Culinary Arts rt I	1.00		
competition sho	itchens of						e Courses: lity Services	.50		
higher-end resta	<u>ts</u>	can be	d the required e used as elect		20.0511	Pro Star		1.00		
Only 19.9% of people employed in the field of Culinary Arts are women.		credit.				One En	t. course may count as election in the course may count as election in the course in t		1.00 credit	For more information on salary projections, labor
					20.0701	Entrepre	eneurship in FACS	.50		
					32.0199	Student	eneurship for marketing Internship (Critical Workplace	ce Skills) .50 -	J	
					two- or four-year	degree t	ry programs accept high scho hrough concurrent enrollmer ndary Pathways for details.		3.00 credits for completion	market demand, and training options, visit www.careers.utah.gov.

# High School to College and Career Pathway: Secondary Area of Study: Family & Consumer Sciences Education

Pathway: Hospitality Services



Middle School State Regu					Hi	College & Careers			
7 <sup>th</sup> Crade	8 <sup>th</sup> Crade	Middl School	e e	High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade  Suggested	11 <sup>th</sup> Grade Suggested	> 12 <sup>th</sup> Grade	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11	(1 additional credit— class of 2011)	There are a number of
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		options for education and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life	World Civilizations	U.S. History II 1.00	U.S. Government and Citizenship .50	> Associate degree > Bachelor's degree > Professional degree > On-the-job training
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitnes	s for Life .50 / Health Educ Lifetime Activities or Sport	ation .50	
The Arts .50	The Arts .50	1.00 Fine Arts 1.50			Fine Arts 1.		<ul><li>&gt; Apprenticeship</li><li>&gt; Military training</li></ul>		
			Financial Literacy	.50			Financ	ial Literacy .50	
Keyboarding .50			Computer Tech.	.50	Compute	r Technology .50			Sample Occupations
Workforce Trends  According to the U.S. Department of Labor, travel and tourism is one of the largest and fastest growing industries in the world. Each year, travel and tourism employers around the world pay more than \$1.6 trillion in wages and salaries and create 12.5 million new jobs.  Get the Facts Spending by travelers and visitors accounts for roughly 15 to 30% of revenues at table service restaurants with average check sizes of less than \$25.  In some states a travel/tour quide must be licensed.		1.00 Career and Technical Education  Core Curriculum and elective requirements may vary district to district. Check with your school counselor.  Concurrent enrollment course offerings vary by school and district.  Foundation courses taken beyond the required credits can be used as elective credit.		Career and Technical Education Recommended Pathway Courses  (Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)  CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL  Course # Foundation Courses: (required)  20.0108 Food & Nutrition I  20.0118 Food & Nutrition II  Choose one of the following courses:  20.0401 Food Service/Culinary Arts  20.0411 Pro Start I  Elective Courses:  20.0601 Hospitality Services  20.0511 Pro Start II  08.0901 Travel & Tourism  One Ent. course may count as elective credit.  52.0621 Entrepreneurship for business  20.0701 Entrepreneurship for marketing  32.0199 Student Internship (Critical Workplace Skills)			2.00 credits  1.00 credit	> Event Planner > Family and Consumer Sciences Education Teacher > Hospitality Supervisor > Hotel/Motel Manager > Restaurant Manager > Tour Guide > Travel Agent  For more information on salary projections, labor market demand, and	
3					two- or four-year degree	ary programs accept high sch through concurrent enrollme ondary Pathways for details.	ent.	3.00 credits for completion	training options, visit www.careers.utah.gov.

Note: For more information, talk to your school counselor.

Pathway: Interior Design

Middle School

Grade

7 1.00

Science

1.00

.50

.50

P.E.

1.00

.5

The Arts

Keyboarding

CTE Intro

1.00

Language Arts

Pre-Algebra

**Utah Studies** 

8<sup>th</sup>

Grade

8 1.00

or Applied

Math 1.00

Science

1.00

1.00

.50

.50

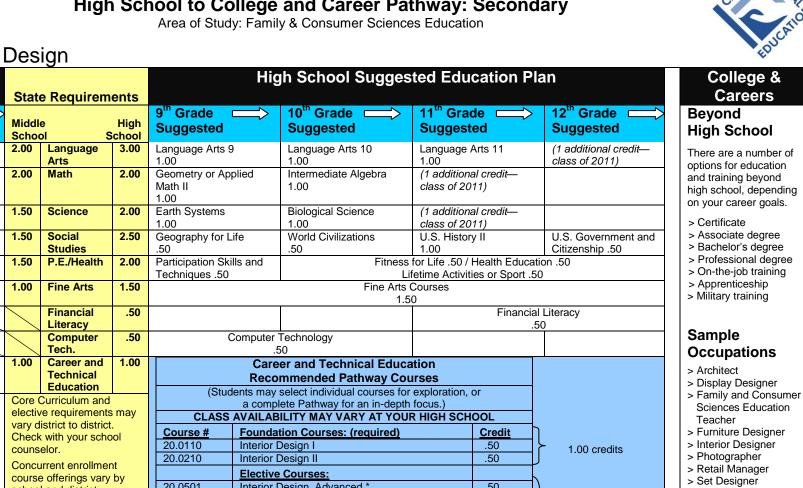
Health

The Arts

Language Arts

Elem. Algebra

U.S. History I



#### Workforce Trends

Interior design is a small occupation with a very small number of job openings each year, although employment of interior designers is expected to increase 9 to 17% for all occupations through the year 2014. Economic expansion, growing homeowner wealth, and an increased interest in interior design will increase demand for designers.

#### Get the Facts

Currently, there are approximately 65,000 people in the interior design profession.

school and district.

Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.

20.0501 15.1303 20.0113 Clothing I 50.0406 50.0401 20.0301 15.1302 Drafting/CAD 48.0702

Interior Design, Advanced \* .50 Architectural Drafting 1.00 .50 Commercial Photography 1.00 Design & Visual Communication .50 Designer Sewing/Fashion Design .50 1.00 Furniture Design & Manufacturing 1.00 One Ent. course may count as elective credit. 52.0621 Entrepreneurship for business .50 20.0701 Entrepreneurship in FACS .50 08.0301 Entrepreneurship for marketing .50 32.0199 Student Internship (Critical Workplace Skills) .50 Course can be taken up to 1.00 credit.

2.00 credits

3.00 credits for completion

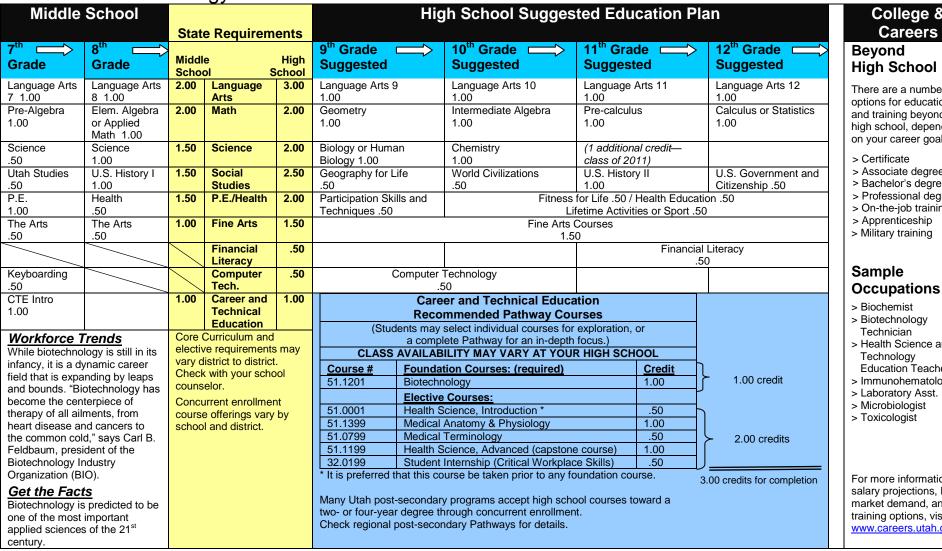
For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

**Note:** For more information, talk to your school counselor.

Area of Study: Health Science & Technology Education

Pathway: Biotech Research & Development

Biotechnology





# **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training

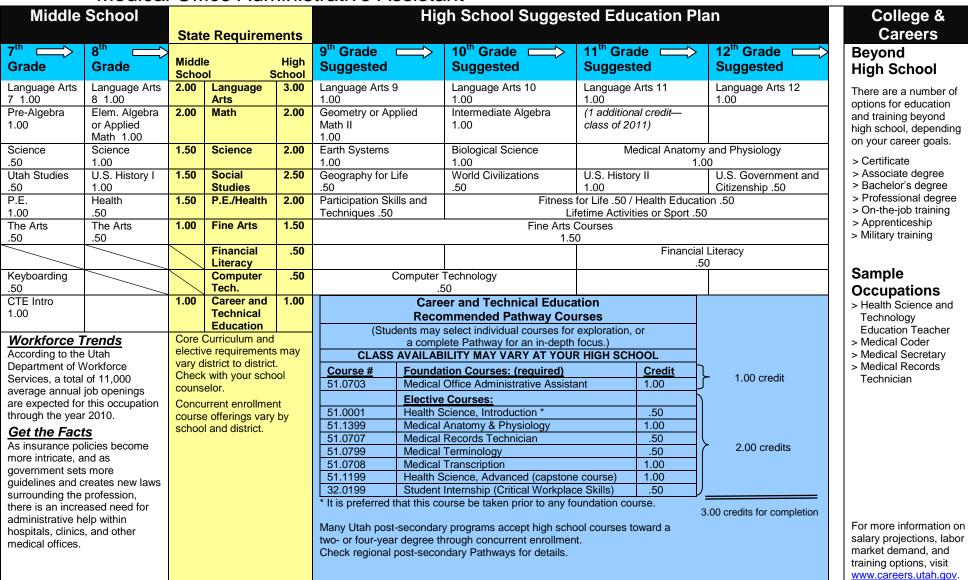
- > Biotechnology
- > Health Science and Technology **Education Teacher**
- > Immunohematologist
- > Laboratory Asst.

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Area of Study: Health Science & Technology Education

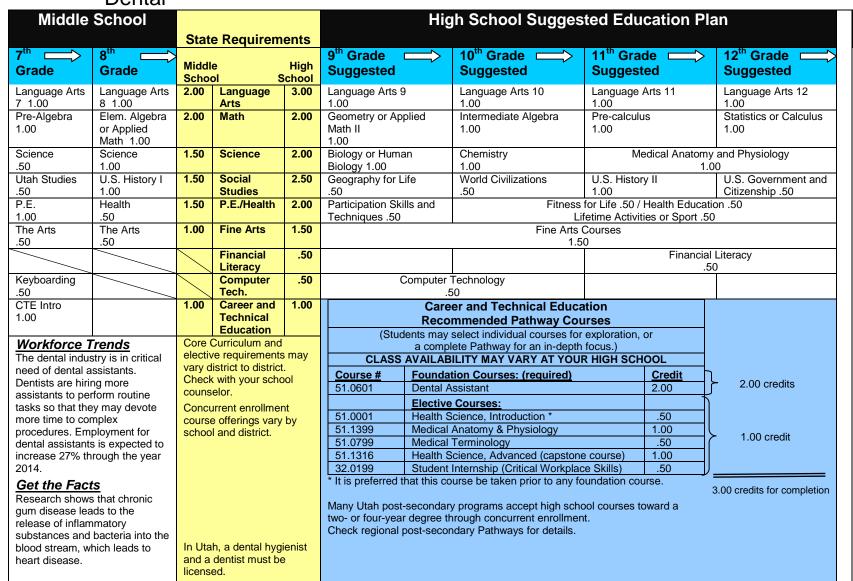
#### Pathway: Health Informatics

Medical Office Administrative Assistant



Area of Study: Health Science & Technology Education

# Pathway: Therapeutic Services Dental



# College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training > Apprenticeship
- > Military training

#### Sample Occupations

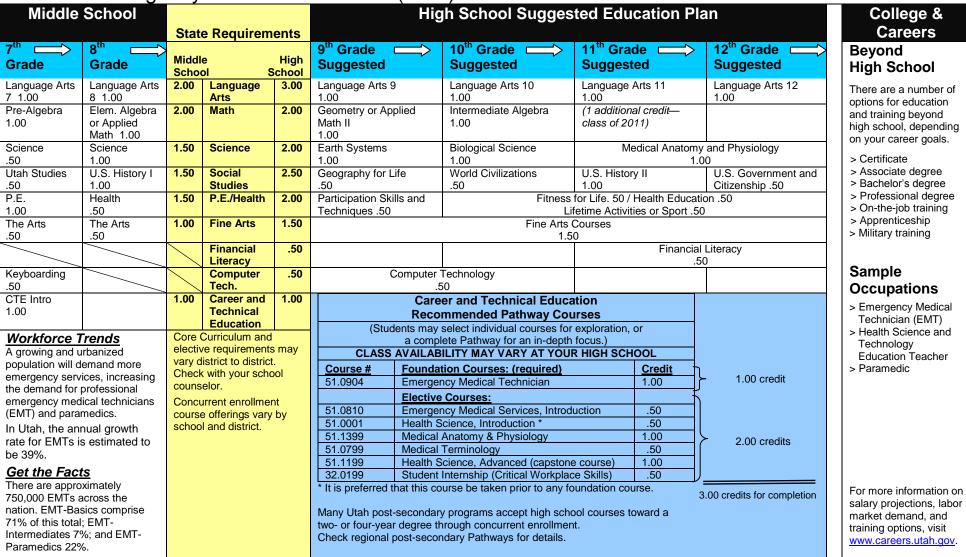
- > Dental Assistant
- > Dental Ceramist
- > Dental Hygienist
- > Dental Laboratory Technician
- > Dentist
- > Health Science and Technology Education Teacher
- > Orthodontic Technician

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Health Science & Technology Education

#### Pathway: Therapeutic Services

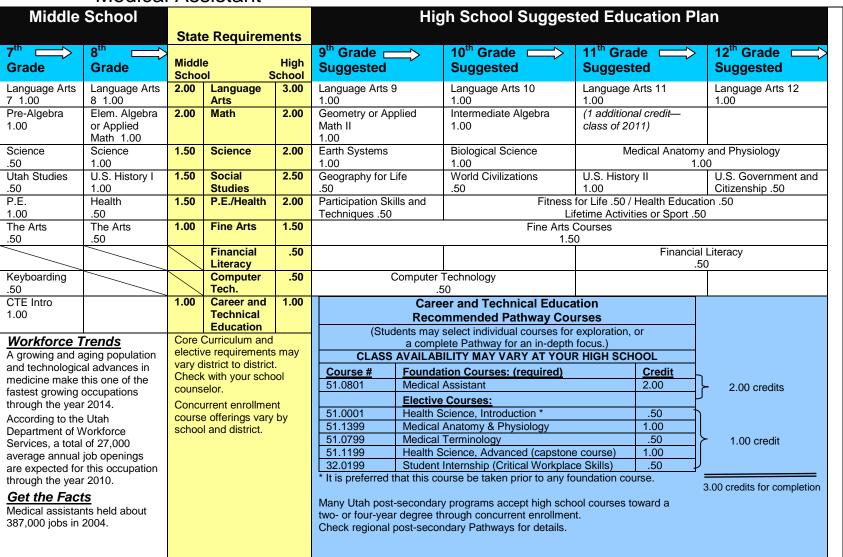
**Emergency Medical Technician (EMT)** 



Note: For more information, talk to your school counselor.

Area of Study: Health Science & Technology Education

# Pathway: Therapeutic Services Medical Assistant





# College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

## Sample Occupations

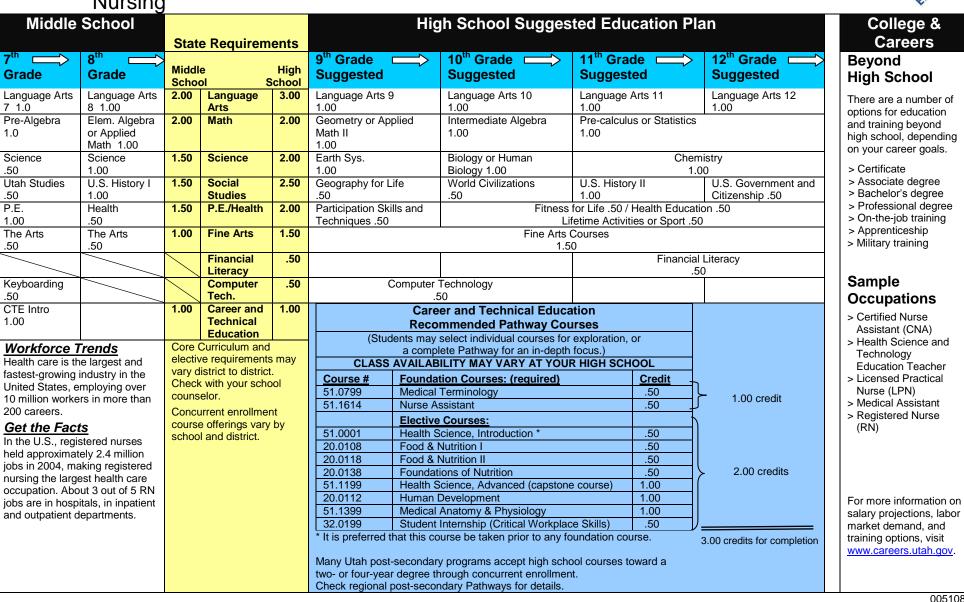
- > Certified Nurse Assistant (CNA)
- > Health Science and Technology Education Teacher
- > Licensed Practical Nurse (LPN)
- > Medical Assistant
- > Registered Nurse (RN)

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Health Science & Technology Education

### Pathway: Therapeutic Services

Nursina

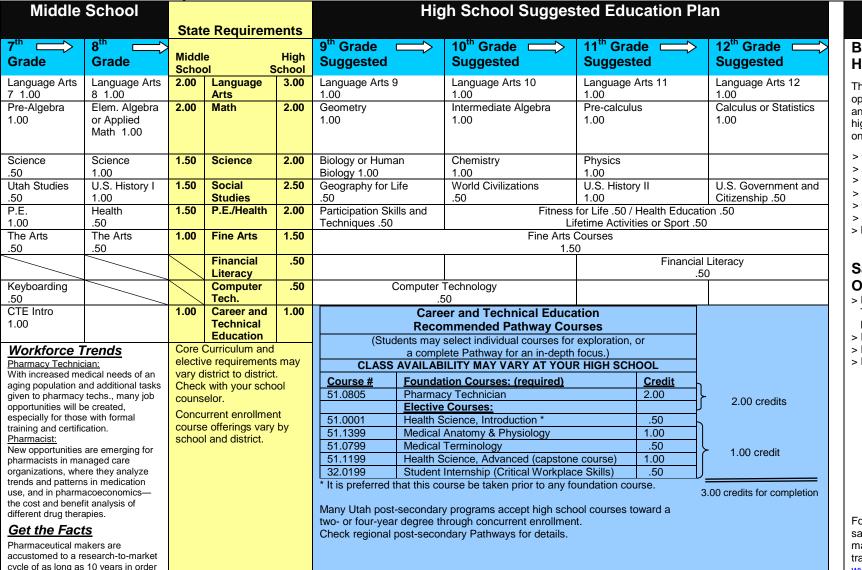


005108

**Note:** For more information, talk to your school counselor.

Area of Study: Health Science & Technology Education

# Pathway: Therapeutic Services Pharmacy





# Careers Beyond High School

College &

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

# Sample Occupations

- > Health Science and Technology Education Teacher
- > Pharmacy Aide
- > Pharmacy Technician
- > Pharmacist

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

licensed.

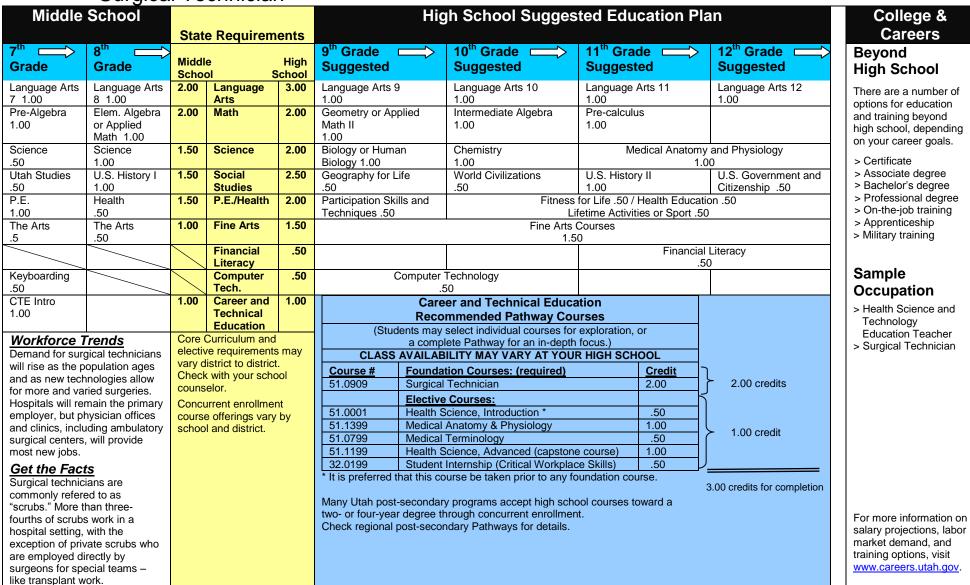
In Utah, a pharmacist must be

to discover, develop and

commercially launch a new drug.

Area of Study: Health Science & Technology Education

#### Pathway: Therapeutic Services Surgical Technician



005111

**Note:** For more information, talk to your school counselor.

Area of Study: Health Science & Technology Education

### Pathway: Therapeutic Services

Therapeutic Rehabilitation/Exercise (Formerly Exercise Science/Sports Medicine)

		zuu	- Nellar	ııııa	lion/Exercise (	, ,			College	
Middle	School				High School Suggested Education Plan					
		Stat	e Requirem	ents		Caree				
7 <sup>th</sup> =	8 <sup>th</sup>				9 <sup>th</sup> Grade $\Longrightarrow$	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade	Beyond	
Grade	Grade	Middl Scho		High	Suggested	Suggested	Suggested	Suggested	High Scho	
Language Arts	Language Arts	2.00	Language	3.00	Language Arts 9	Language Arts 10	Language Arts 11	Language Arts 12	There are a num	
7 1.00	8 1.00	0.00	Arts	0.00	1.00	1.00	1.00	1.00	options for educ	
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Pre-calculus or Statistics 1.00		and training bey high school, dep on your career of	
Science .50	Science 1.00	1.50	Science	2.00	Biology or Human Biology 1.00	Chemistry 1.00		y and Physiology .00	> Certificate	
Utah Studies	U.S. History I	1.50	Social	2.50	Geography for Life	World Civilizations	U.S. History II	U.S. Government and	> Associate deg	
.50 P.E.	1.00 Health	4.50	Studies P.E./Health	2.00	.50	.50	1.00 for Life .50 / Health Educa	Citizenship .50	> Bachelor's de > Professional of	
1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50		ifetime Activities or Sport .		> On-the-job tra	
The Arts	The Arts	1.00	Fine Arts	1.50	100111114400 .00	Fine Arts	,,,	> Apprenticeshi		
.50	.50					1.5	-		> Military trainin	
			Financial Literacy	.50				al Literacy 50		
Keyboarding			Computer	.50	Computer	Technology			Sample	
.50			Tech.			50			Occupation	
CTE Intro 1.00		1.00	Career and Technical	1.00		er and Technical Educa			> Athletic Traine	
1.00			Education			mmended Pathway Cosselect individual courses for			> Chiropractor > Health Science	
Workforce 7	rends		Curriculum and			lete Pathway for an in-depth			Technology	
Job growth will		elective requirements may				ILITY MAY VARY AT YOU		Education Te		
in health care in		vary district to district. Check with your school			Course # Foundation Courses: (required) Credit			)	> Physical Ther	
such as ambula services and ho		couns		,0,		Science/Sports Medicine	1.00	2.00 credits	> Physical Ther Assistant	
Get the Fac	•	Concurrent enrollment			51.1399 Medical Anatomy & Physiology 1.00			J	> Physical Ther	
Physical Therap	oy is ranked		e offerings vary	by	Elective Courses: 51.0001 Health Science, Introduction * .50			)	Aide	
among the top	0 fields, and is	schoo	ol and district.		51.0001 Health Science, Introduction * .50 51.0799 Medical Terminology .50				> Massage The > Physician	
expected to rem						Science, Advanced (capston	1.00 credit	> Physician Ass		
	well into the 21 <sup>st</sup> century.				32.0199 Student	Internship (Critical Workplan	ce Skills) .50	) I Hysicia		
	In Utah, an athletic trainer,				* It is preferred that this co	3.00 credits for completion	F			
physical therapist, physician, and physician assistant must be				Many Utah post-secondar	For more inform salary projection					
licensed.					two- or four-year degree the		market demand			
						ndary Pathways for details.			training options,	
									www.careers.ut	

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mation on ions, labor nd, and ns, visit utah.gov.

Area of Study: Information Technology Education

Pathway: Information Support & Services
Database Development & Administration



		OC L	cvclopi		t & Auministra			NI			
Middle	School				High School Suggested Education Plan						
State Requirements											
7 <sup>th</sup>		-		9 <sup>th</sup> Grade $\Longrightarrow$	10 <sup>th</sup> Grade $\Longrightarrow$	11 <sup>th</sup> Grade	> 12 <sup>th</sup> Grade ===				
Grade	Grade	Middl Scho		High chool	Suggested	Suggested	Suggested	Suggested			
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)			
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Computer Programming 1.00	g			
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit— class of 2011)				
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50			
P.E. 1.00	Health .50	1.50	P.E./Health	2.0	Participation Skills and Techniques .50	L	s for Life .50 / Health Educ ifetime Activities or Sport .				
The Arts .50	The Arts .50	1.00	Fine Arts	1.50		Courses 50					
			Financial Literacy	.50		Financ	ial Literacy .50				
Keyboarding .50			Computer Tech.	.50		Technology 50					
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Reco	eer and Technical Educ ommended Pathway Co select individual courses fo	urses				
Workforce 7 Computer system	ms analysts,	electiv	Curriculum and ve requirements	s may	a comp	a complete Pathway for an in-depth focus.)  CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL					
database admin computer scienti expected to be a	ists are		listrict to district with your school elor.		11.0301 Databas	ation Courses: (required) se Development I	<u>Credit</u> 1.00	h			
fastest growing of through the year	occupations r 2012.	Concu	urrent enrollmer e offerings vary		11.0201 Comput			2.00 credits			
Get the Fact Information Tech		l and district.	akan	Elective Courses:  11.0101 Information Technology, Introduction		1.00 n .50	Ĭ				
are needed in neindustry. The de	Foundation courses taken beyond the required credits can be used as elective			11.0202 Comput	1.00	1.00 credit					
technically skille growing in almos industry, not just considered high-	st every t in those	credit			32.0199   Student Internship (Critical Workplace Skills)   .50						

# College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- On-the-job trainingApprenticeship
- > Military training

## Sample Occupations

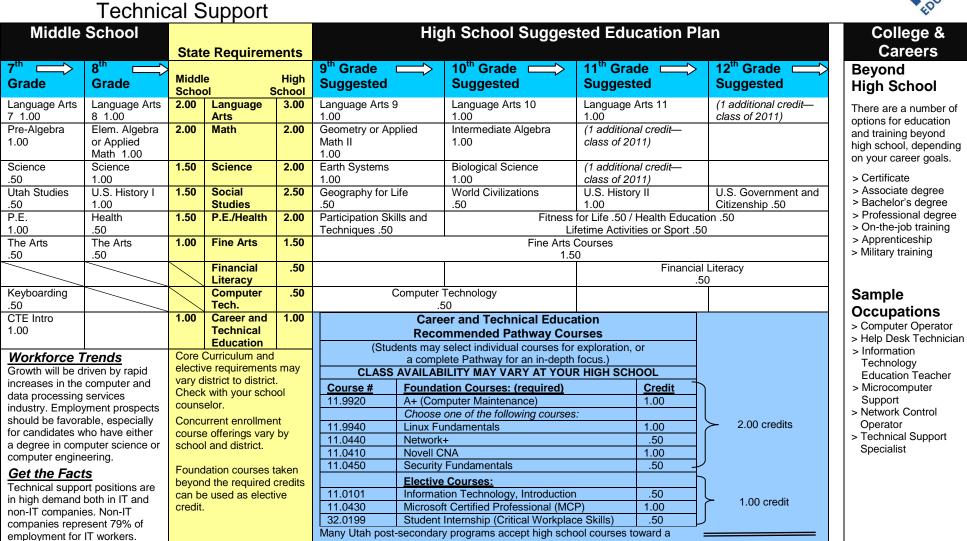
- > Database
- Administrator
  Database Architect
- > Database Design Analyst
- > Database Developer
- > Database Engineer
- > Information Scientist
- > Information

Technology Education Teacher

for more information on calary projections, labor narket demand, and raining options, visit www.careers.utah.gov.

Area of Study: Information Technology Education

Pathway: Information Support & Services



two- or four-year degree through concurrent enrollment.

Check regional post-secondary Pathways for details.



There are a number of options for education high school, depending on your career goals.

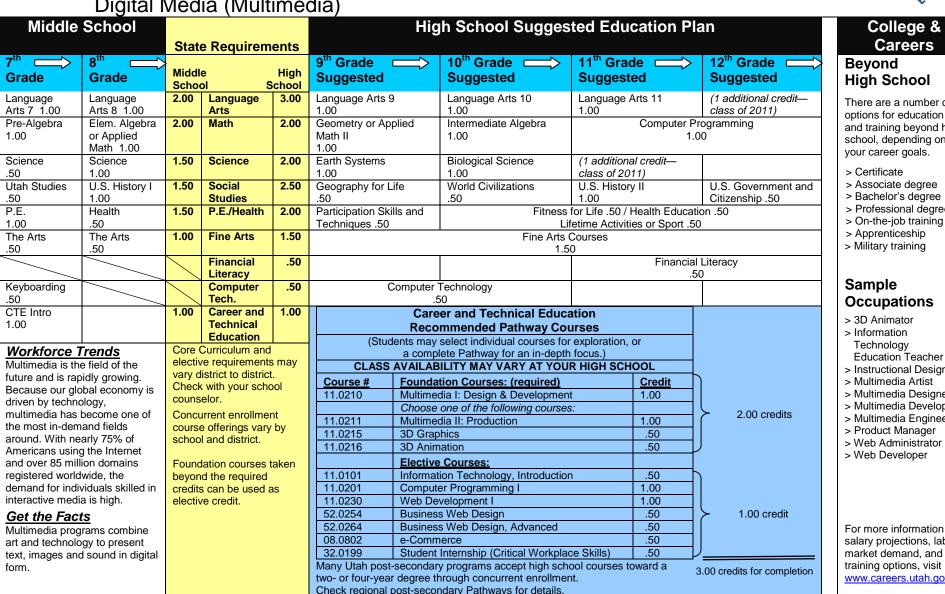
For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

3.00 credits for completion

Area of Study: Information Technology Education

Pathway: Interactive Media

Digital Media (Multimedia)



#### College & **Careers**

### **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > Professional degree

# **Occupations**

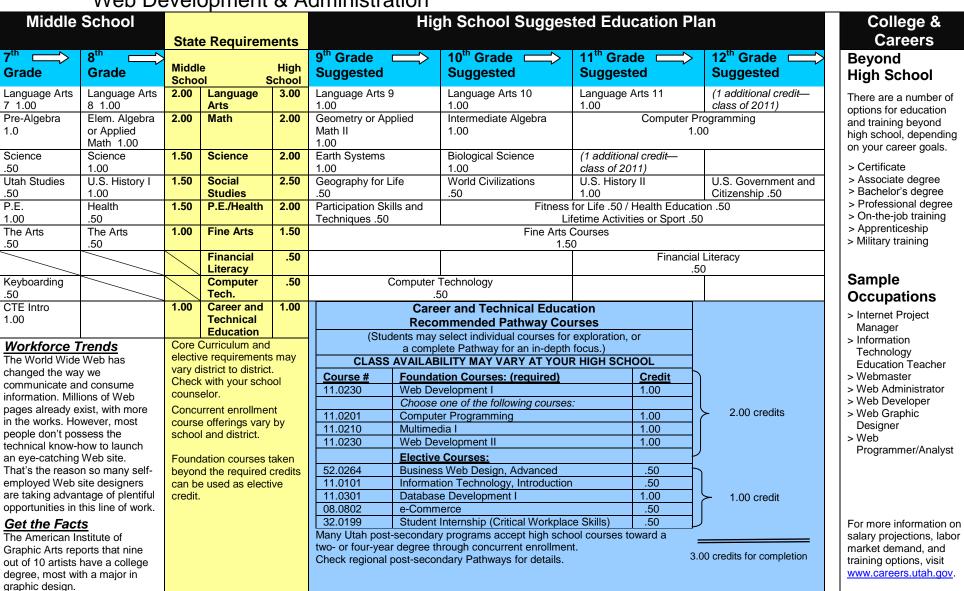
- Technology **Education Teacher**
- > Instructional Designer
- > Multimedia Artist
- > Multimedia Designer
- > Multimedia Developer
- > Multimedia Engineer

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Area of Study: Information Technology Education

Pathway: Interactive Media

Web Development & Administration



001106

**Note:** For more information, talk to your school counselor.

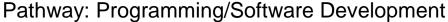
# High School to College and Career Pathway: Secondary Area of Study: Information Technology Education

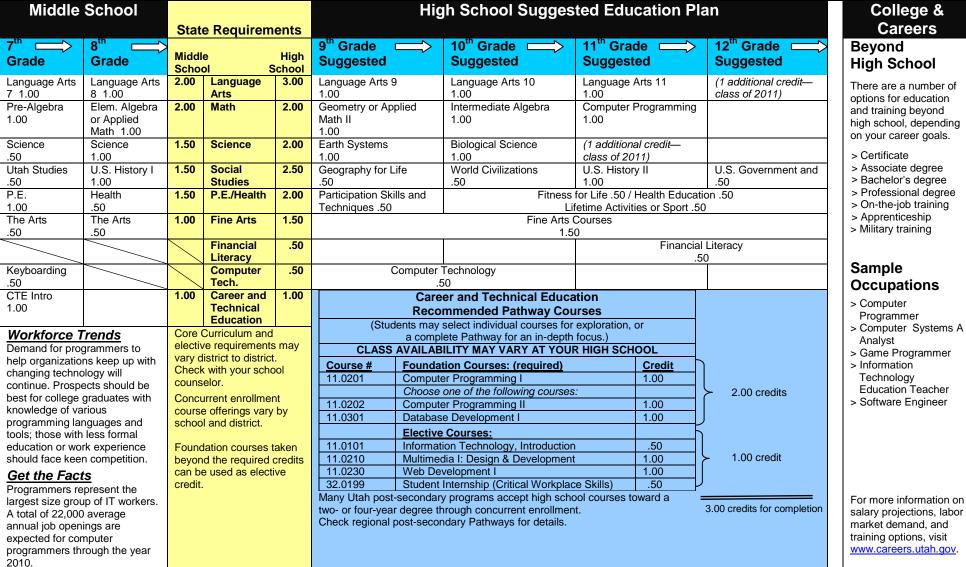
Pathway: Network Systems



Middle	State Requirements			Hiọ	College & Careers				
7 <sup>th</sup> Crade	8 <sup>th</sup> ==>	Middl School		High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade (C) Suggested	> 12 <sup>th</sup> Grade	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)	,	and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations U.S. History II 1.00		U.S. Government and Citizenship .50	> Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship
P.E. 1.00	Health .50	1.50 P.E./Health 2.00			Participation Skills and Techniques .50	L	s for Life .50 / Health Educ Lifetime Activities or Sport	cation .50	
The Arts	The Arts .50	1.00 Fine Arts 1.50					Courses 50	dall Manager	> Military training
			Financial Literacy	.50			Financ	cial Literacy .50	0
Keyboarding .50			Computer Tech.	.50		Technology 50			Sample Occupations
Morkforce 7 Growth will be d increases in the data processing industry.  Get the Fact The term "comp coined in the 19 insect got into a primitive electron	Workforce Trends Growth will be driven by rapid increases in the computer and data processing services industry.  Get the Facts The term "computer bug" was coined in the 1940s, when an insect got into a relay in a primitive electromechanical computer, causing computer		Career and Technical Education Curriculum and ve requirements district to district with your school celor. Current enrollmete offerings vary and district. Idation courses to the required the used as elective.	s may bool ont by taken credits	Recc   Students may a comp   CLASS AVAILAE   Course # Founda   Choose   11.0410   Certified   11.0420   Cisco   C   11.0430   Microsc   11.0440   Network   Elective   11.0101   Informa   11.9920   A+ (Cor   11.9940   Linux Foundation   11.0450   Security   32.0199   Student   Student	eer and Technical Educemmended Pathway Corselect individual courses for blete Pathway for an in-dept BILITY MAY VARY AT YOU ation Courses: (required) at 1.5 credits from the following Movell Administrator (CNA certified Network Administrator Certified Professional (MCK + e Courses: tion Technology, Introduction mouter Maintenance) undamentals at Internship (Critical Workplatry programs accept high sch	1.50 credits  1.50 credits	> Information Technology Education Teacher > LAN Administrator > Network Analyst > Network Engineer > Telecommunication Manager	
					two- or four-year degree t	ry programs accept high scr through concurrent enrollme andary Pathways for details.		3.00 credits for completion	salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Area of Study: Information Technology Education

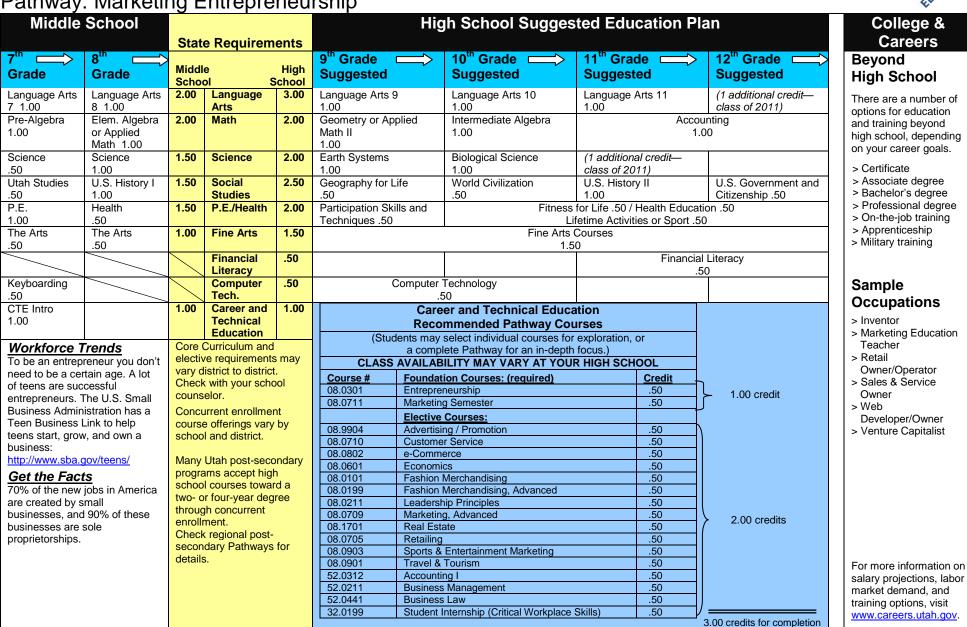




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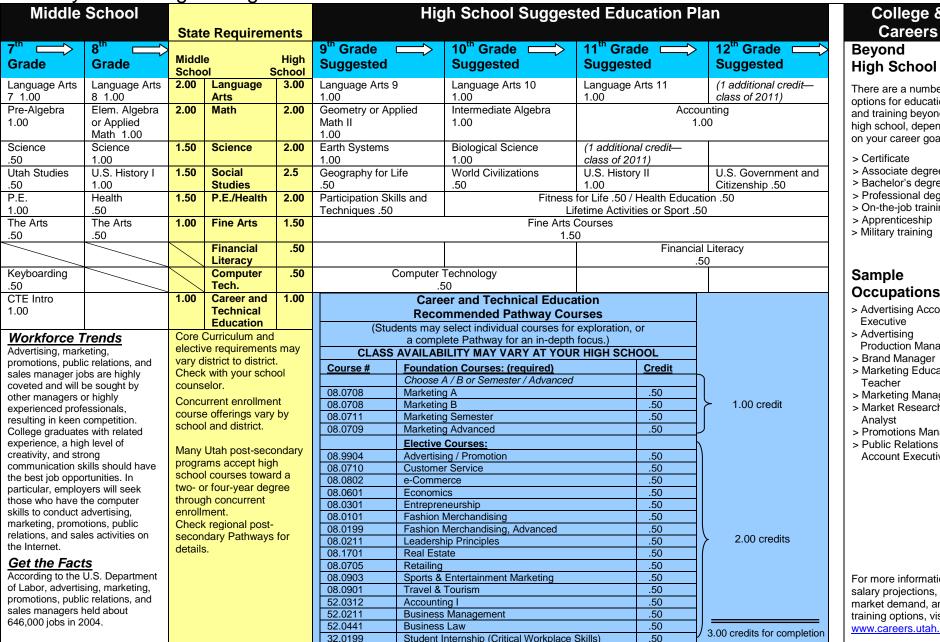
Area of Study: Marketing Education

Pathway: Marketing Entrepreneurship



Area of Study: Marketing Education

Pathway: Marketing Management





### **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

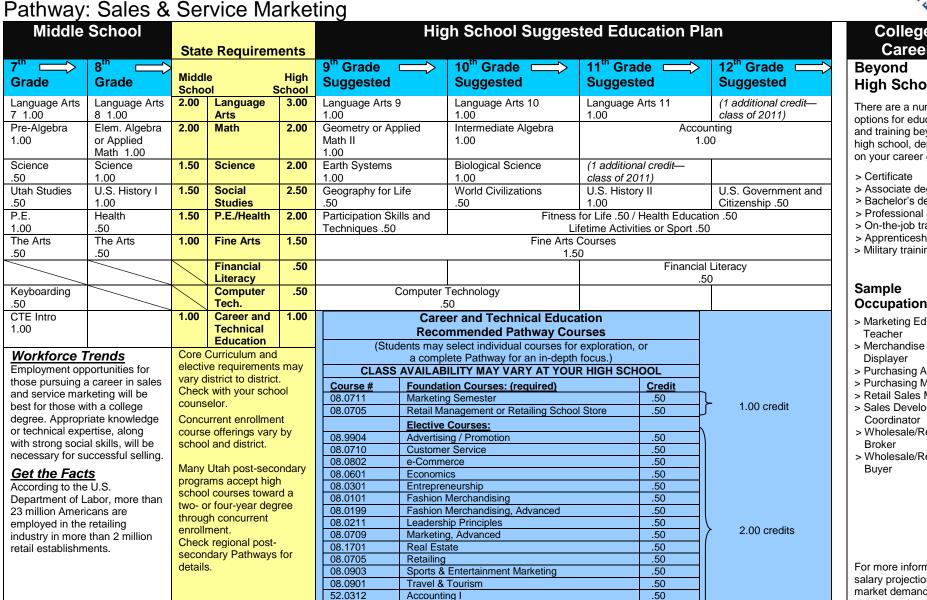
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

## **Occupations**

- > Advertising Account
- **Production Manager**
- > Brand Manager
- > Marketing Education
- > Marketing Manager
- > Market Research
- > Promotions Manager
- Account Executive

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Area of Study: Marketing Education



Business Management

Student Internship (Critical Workplace Skills)

**Business Law** 

.50

.50

.50

3.00 credits for completion

52.0211

52.0441

32.0199

College & **Careers** 

### **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

### **Occupations**

- > Marketing Education
- > Purchasing Agent
- > Purchasing Manager
- > Retail Sales Manager
- > Sales Development Coordinator
- > Wholesale/Retail
- > Wholesale/Retail

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

# High School to College and Career Pathway: Secondary Area of Study: Marketing Education

Pathway: Travel & Tourism



	School	State	e Requirem	nents		gh School Sugges			College & Careers
7 <sup>th</sup> $\Longrightarrow$ Grade	8 <sup>th</sup> —> Grade	Middle Schoo	ol S	High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade $\Longrightarrow$ Suggested	11 <sup>th</sup> Grade $\Longrightarrow$ Suggested	12 <sup>th</sup> Grade $\Longrightarrow$ Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit—class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	1.	unting .00	and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	<ul><li>&gt; Associate degree</li><li>&gt; Bachelor's degree</li></ul>
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50		for Life .50 / Health Educatifetime Activities or Sport .5	> Professional degree > On-the-job training	
The Arts .50	The Arts .50	1.00	Fine Arts	1.50		> Apprenticeship > Military training			
			Financial Literacy	.50				al Literacy 50	
Keyboarding .50			Computer Tech.	.50		Technology .50			Sample
CTE Intro		1.00	Career and	1.00	Care	eer and Technical Educa			Occupations
1.00			Technical Education			ommended Pathway Cou select individual courses for			<ul><li>Concierge</li><li>Cruise Director</li></ul>
Workforce T According to the Department of L tourism is one of fastest-growing i world. Each year tourism employe world pay more i in wages and sa create 12.5 millio Get the Fact Approximately 4 international visit the United States result, the U.S. t received roughly from travelers.	abor, travel and f the largest and industries in the r, travel and ers around the than \$1.6 trillion laries and on new jobs.	elective vary di Check counse course school Many progra school two- oo throug enrollr Check	urrent enrollme e offerings vary ol and district.  Utah post-sect ams accept hig ol courses towa or four-year deg oh concurrent ment. or regional post- odary Pathways	s may it. ool ent y by ondary ih ird a gree	a comp  CLASS AVAILAB  Course # Founda  08.0901 Travel 8  08.0711 Marketin  Elective  08.9904 Advertis  08.0710 Custome  08.0802 e-Comm  08.0801 Econom  08.0301 Entrepre  08.0101 Fashion  08.0199 Fashion  08.0211 Leaders  08.0709 Marketin  08.1701 Real Es  08.0705 Retailing  08.0903 Sports 8  52.0312 Account	colete Pathway for an in-depth BILITY MAY VARY AT YOU ation Courses: (required) A Tourism and Semester be Courses: bing / Promotion er Service anerce anics beneurship an Merchandising an Merchandising, Advanced ship Principles and, Advanced state g B Entertainment Marketing	n focus.)	1.00 credit  2.00 credits	> Event Planner > Host/Hostess > Hotel Manager > Lodging Manager > Marketing Education Teacher > Tour Guides > Travel Agent > Travel Clerk > Waiter/Waitress

Pathway: Building Trades Carpentry

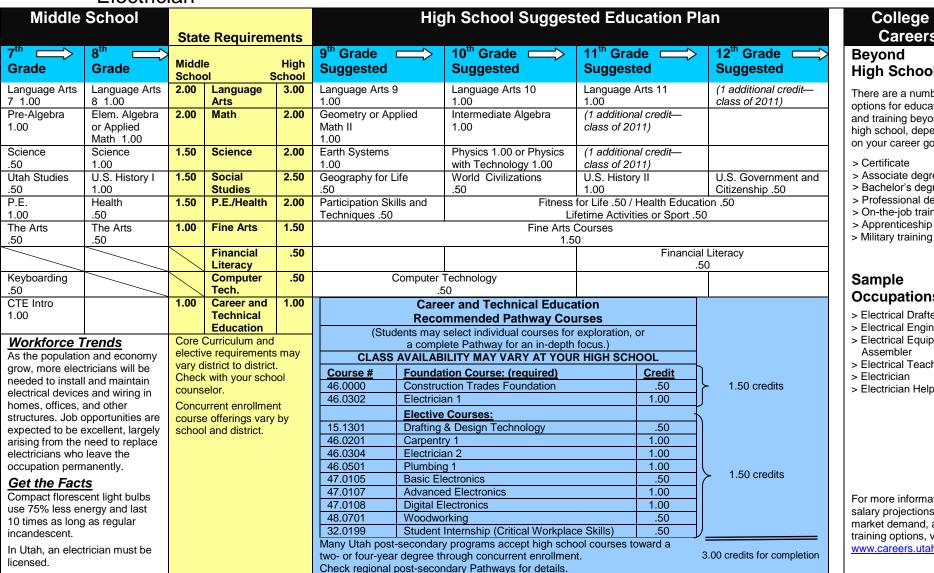


	Carpen	ti y							
	School	Stat	e Requirem	ents		gh School Sugges			College & Careers
7 <sup>th</sup> $\Longrightarrow$ Grade	8 <sup>th</sup> —> Grade	Middl Scho		High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade $\Longrightarrow$ Suggested	11 <sup>th</sup> Grade  Suggested	12 <sup>th</sup> Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Physics 1.00 or Physics with Technology 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life	World Civilizations	U.S. History II 1.00	U.S. Government and Citizenship .50	<ul><li>&gt; Associate degree</li><li>&gt; Bachelor's degree</li></ul>
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness	for Life .50 / Health Educatifetime Activities or Sport	> Professional degree > On-the-job training	
The Arts	The Arts .50	1.00	Fine Arts	1.50		<ul><li>&gt; Apprenticeship</li><li>&gt; Military training</li></ul>			
			Financial Literacy	.50				al Literacy 50	
Keyboarding .50			Computer Tech.	.50		Technology 50			Sample
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Care Reco		Occupations > Carpenter > Carpenter Helper		
Workforce Carpentry is a v	ery large	electiv	Curriculum and requirements	s may	a comp	select individual courses for lete Pathway for an in-depth BILITY MAY VARY AT YOU		<ul><li>Carpentry Teacher</li><li>Construction Laborer</li></ul>	
occupation in the With the proper skills, job oppor		vary district to district. Check with your school counselor.			Course # Founda 46.0000 Construc	tion Course: (required) ction Trades Foundation	Credit .50	1.50 credits	> Construction Manager > Finish Carpenter
abundant.			urrent enrollme			46.0201 Carpentry 1 1.00  Elective Courses:		Į!	> Foreman
Each year, the \$600 billion wor	U.S. adds about	course offerings vary by school and district.			46.0101 Masonry		.50 1.00		
construction pro	ojects.				46.0202 Carpent 46.0302 Electricia	an 1	1.00 1.00		
licensed.	and must be				46.0501 Plumbin		1.00	1.50 credits	For more information on salary projections, labor
					48.0701 Woodwo 48.0702 Furniture	e Design & Manufacturing	.50 1.00		market demand, and training options, visit
						Internship (Critical Workplace		)	www.careers.utah.gov.
					two- or four-year degree th	y programs accept high schonrough concurrent enrollmen	ool courses toward a nt.	3.00 credits for completion	
					Check regional post-secor	ndary Pathways for details.			<u> </u>

Area of Study: Skilled & Technical Sciences Education

Pathway: Building Trades

Electrician



College & **Careers** 

### **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training

### **Occupations**

- > Electrical Drafter
- > Electrical Engineer
- > Electrical Equipment
- > Electrical Teacher
- > Electrician Helper

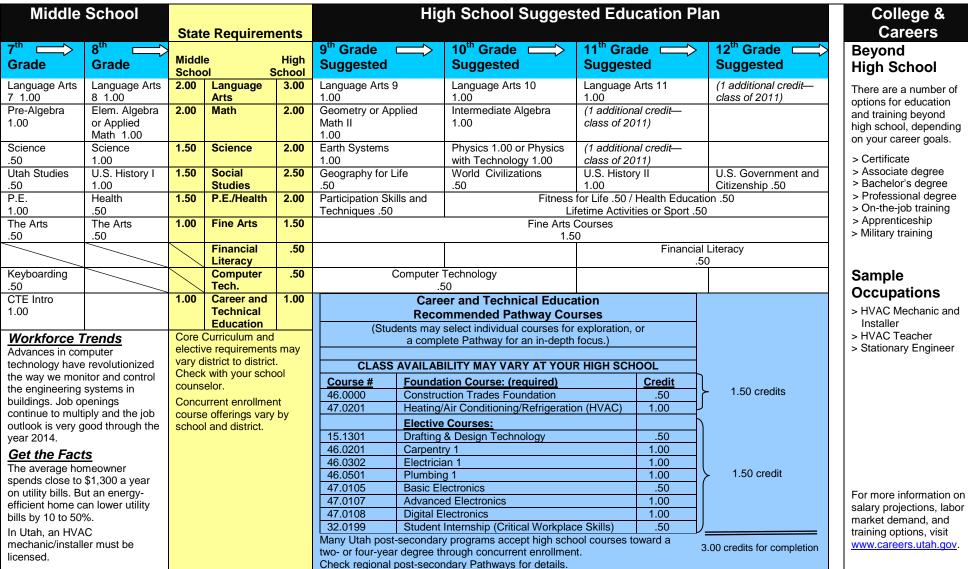
For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

009910

Area of Study: Skilled & Technical Sciences Education

Pathway: Building Trades

HVAC



#### College & **Careers**

### **High School**

There are a number of options for education and training beyond high school, depending on your career goals.

- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

#### Sample **Occupations**

- > HVAC Mechanic and
- > HVAC Teacher
- > Stationary Engineer

salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Pathway: Building Trades Plumbing



	FIUITIDII	<u> 19</u>							
	School	Stat	e Requirem	ents	Hig	College & Careers			
7 <sup>th</sup> Crade	8 <sup>th</sup> Grade	Middle High School School		9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade $\Longrightarrow$ Suggested	Suggested	Beyond High School	
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts Math	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00			Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Physics 1.00 or Physics with Technology 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00 for Life .50 / Health Educa	U.S. Government and Citizenship .50	> Associate degree > Bachelor's degree
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	<ul><li>&gt; Professional degree</li><li>&gt; On-the-job training</li><li>&gt; Apprenticeship</li></ul>			
The Arts .50	The Arts .50	1.00	Fine Arts	1.50		Fine Arts 1.5	60		> Military training
			Financial Literacy	.50				al Literacy .50	
Keyboarding .50			Computer Tech.	.50	.5	Technology 50			Sample Occupations
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Reco	eer and Technical Educa ommended Pathway Cou select individual courses for	irses		> Plumber/Pipefitter Helper
Workforce 7 Demand for plur	nbers will stem	electiv	Curriculum and ve requirement	s may		lete Pathway for an in-depth ILITY MAY VARY AT YOUF		> Plumbing Teacher > Steamfitter	
from new constr renovation, repa maintenance of	ir and	vary district to district. Check with your school counselor.				ion Course: (required) ction Trades Foundation a 1	<u>Credit</u> .50 1.00	1.50 credits	
Get the Fact	Get the Facts		urrent enrollme e offerings vary I and district.		Elective	•	.50		
Wooden pipes w until the early 18 change was mad	800s, when a	30,130	. G. A GIOTHOLI		46.0201 Carpenti 46.0302 Electricia	ry 1 an 1	1.00 1.00	1.50 credits	For more information on
In Utah, a plumb licensed.						g 2 ectronics Internship (Critical Workplac	1.00 1.00 ce Skills) .50		salary projections, labor market demand, and
					Many Utah post-secondary two- or four-year degree the Check regional post-secondary	training options, visit www.careers.utah.gov.			

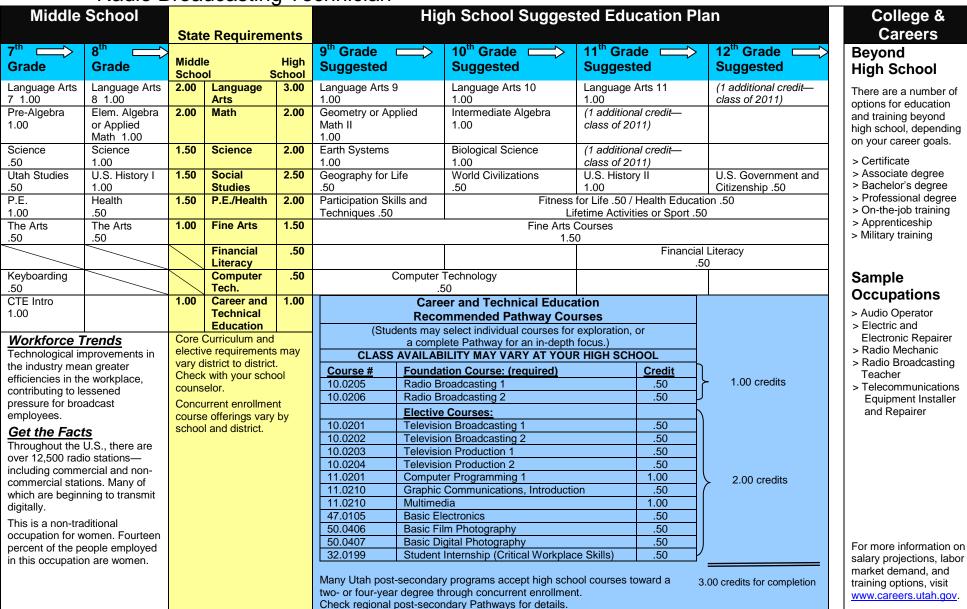
**Note:** For more information, talk to your school counselor.

009918

Area of Study: Skilled & Technical Sciences Education

### Pathway: Communication

Radio Broadcasting Technician



College & **Careers** 

There are a number of options for education and training beyond high school, depending on your career goals.

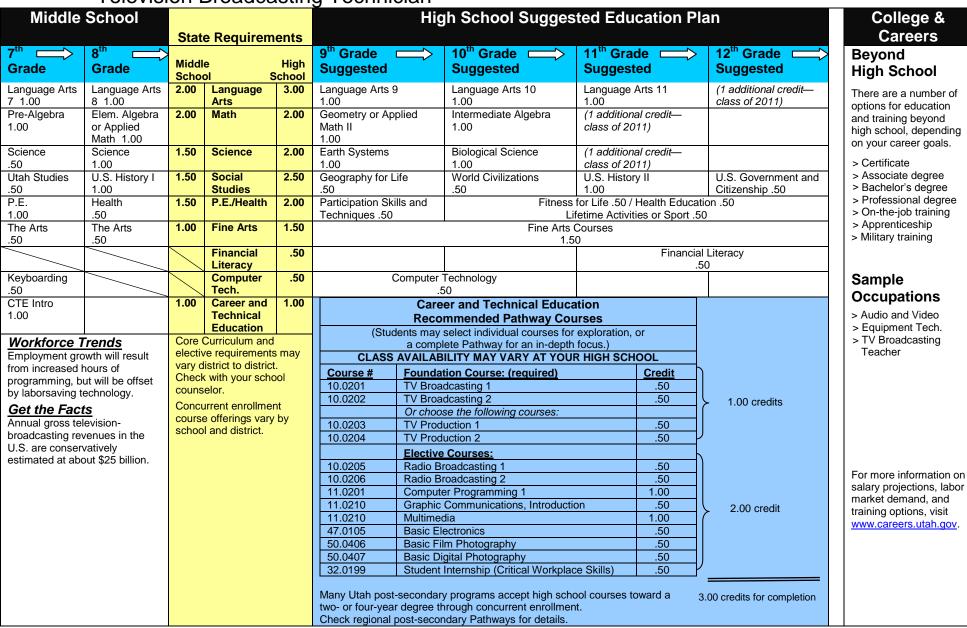
- > Radio Broadcasting
- > Telecommunications **Equipment Installer**

salary projections, labor market demand, and training options, visit www.careers.utah.gov.

Area of Study: Skilled & Technical Sciences Education

Pathway: Communication

**Television Broadcasting Technician** 



Pathway: Mechanics & Repairs

Automotive Collision Repair

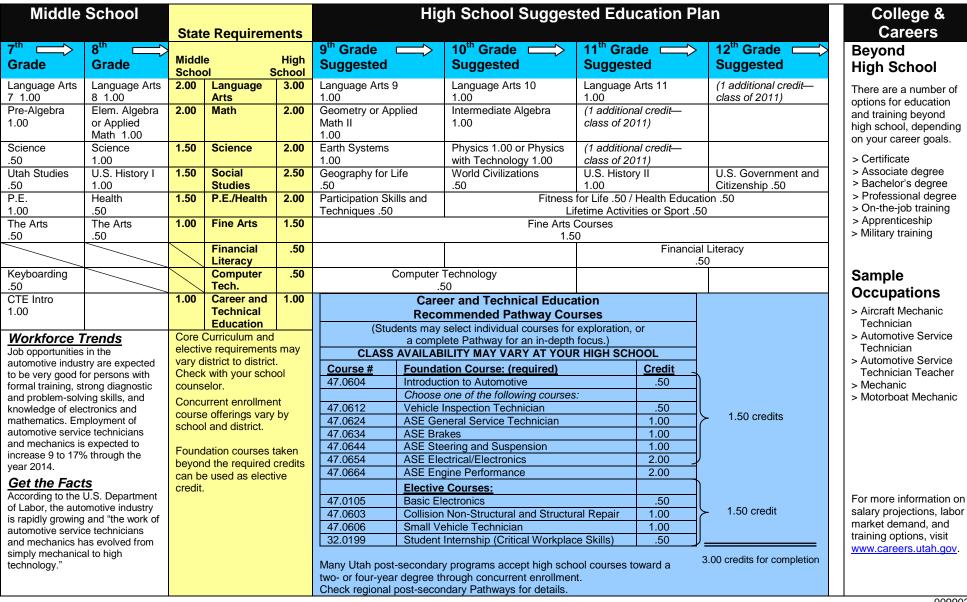


	Automo	rti v C	Comore	/I I I X	Cpan				
	School	Stat	e Requirem	ents	Hig		College & Careers		
7 <sup>th</sup> Crade	8 <sup>th</sup> —> Grade	Middl Scho		High School	9 <sup>th</sup> Grade $\Longrightarrow$ Suggested	10 <sup>th</sup> Grade Suggested	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Physics 1.00 or Physics with Technology 1.00	(1 additional credit— class of 2011)		> Certificate
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life	World Civilizations	U.S. History II	U.S. Government and Citizenship .50	<ul><li>&gt; Associate degree</li><li>&gt; Bachelor's degree</li></ul>
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness	for Life .50 / Health Educa fetime Activities or Sport .5	tion .50	<ul><li>&gt; Professional degree</li><li>&gt; On-the-job training</li></ul>
The Arts	The Arts .50	1.00	Fine Arts	1.50		<ul><li>Apprenticeship</li><li>Military training</li></ul>			
			Financial Literacy	.50				al Literacy 50	
Keyboarding .50			Computer Tech.	.50		Technology 50			Sample
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Reco	er and Technical Educa mmended Pathway Cou select individual courses for	ırses		Occupations > Automotive Body Repairer
Workforce Tobacce Job opportunities	s in the	electiv	Curriculum and ve requirement	s may	a compl	lete Pathway for an in-depth	focus.)		> Automotive Collision Repairer > Automotive Collision
automotive indu good for person training in auton	s with formal	vary district to district. Check with your school counselor.			Course # Founda	tion Course: (required)  Non-Structural and Structu	Credit	2.00 credits	Repair Teacher  > Automotive Specialty
repair and mech	nanics.		urrent enrollme e offerings vary			Refinishing and Painting	1.00	2.00 credits	Technician
Get the Fac 97% of all cars t	taken out of		ol and district.	J,		ectronics	.50		
service are recy them the most r					47.0604 Introduc	tion to Automotive	1.00	1.00 credit	For more information on salary projections, labor
in the world.	in the world.				32.0199 Student	Internship (Critical Workplace	ce Skills) .50	J	market demand, and training options, visit
						utomotive Collision Repair co		3.00 credits for completion	www.careers.utah.gov.
					two- or four-year degree th	y programs accept high scho nrough concurrent enrollmer			
					Check regional post-secor	ndary Pathways for details.			000001

Area of Study: Skilled & Technical Sciences Education

## Pathway: Mechanics & Repairs





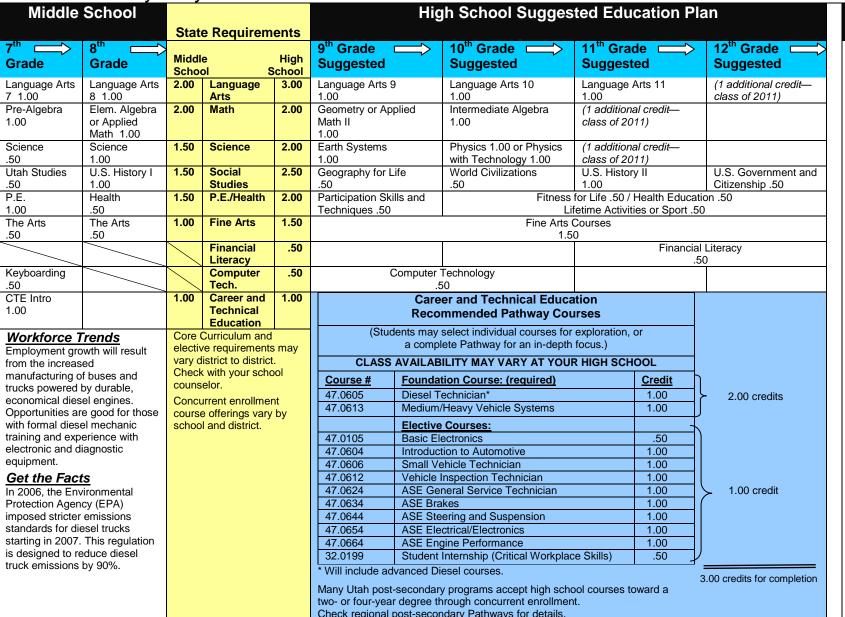
Pathway: Mechanics & Repairs **Flectronics** 



quirements  High School guage 3.00  n 2.00  ence 2.00  ial 2.50 dies //Health 2.00	9 <sup>th</sup> Grade Suggested  Language Arts 9 1.00  Geometry or Applied Math II 1.00  Earth Systems 1.00  Geography for Life .50  Participation Skills and	Intermediate Algebra 1.00  Physics 1.00 or Physics with Technology 1.00  World Civilizations .50	Language Arts 11 1.00 (1 additional credit— class of 2011) (1.03. History II	12 <sup>th</sup> Grade Suggested  (1 additional credit—class of 2011)	College & Careers  Beyond High School  There are a number of options for education and training beyond high school, depending on your career goals.			
School   guage   3.00	Suggested  Language Arts 9 1.00  Geometry or Applied Math II 1.00  Earth Systems 1.00  Geography for Life .50	Language Arts 10 1.00 Intermediate Algebra 1.00 Physics 1.00 or Physics with Technology 1.00 World Civilizations	Suggested  Language Arts 11 1.00 (1 additional credit— class of 2011)  (1 additional credit— class of 2011)	Suggested (1 additional credit— class of 2011)	High School  There are a number of options for education and training beyond high school, depending on your career goals.			
2.00 2.00 ial 2.50 lies 7/Health 2.00	1.00 Geometry or Applied Math II 1.00 Earth Systems 1.00 Geography for Life .50	1.00 Intermediate Algebra 1.00 Physics 1.00 or Physics with Technology 1.00 World Civilizations	1.00 (1 additional credit—class of 2011) (1 additional credit—class of 2011)	class of 2011)	options for education and training beyond high school, depending on your career goals.			
ial 2.50 lies /Health 2.00	1.00 Geography for Life .50	with Technology 1.00 World Civilizations	class of 2011)		, ,			
	Participation Skills and		1.00	U.S. Government and Citizenship .50	<ul><li>Certificate</li><li>Associate degree</li><li>Bachelor's degree</li></ul>			
incial .50	Techniques .50		50		<ul><li>&gt; Professional degree</li><li>&gt; On-the-job training</li><li>&gt; Apprenticeship</li><li>&gt; Military training</li></ul>			
nputer .50	· .	 Technology 50 eer and Technical Educa		50	Sample Occupations			
ulum and uirements may to district. your school enrollment ings vary by	Recconstruction   Recconstru	select individual courses for select individual courses for select Pathway for an in-depth SILITY MAY VARY AT YOU intion Courses: (required) lectronics electronics electronics electronics electronics and 1 led Electronics etion to Automotive orking electronics electronics etion to Automotive orking electronics electr	Credit	1.50 credits  1.50 credit	> Electronics     Equipment     Assembler > Electronics Drafter > Electronics Engineer > Electronics Installer     Repairer > Electronics Teacher  For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov			
i	uirements may to district. your school enrollment ings vary by district.	CLASS AVAILAE  Course # Founda  47.0105 Basic E  47.0108 Digital E  Elective  15.1301 Drafting  46.0302 Electrici  47.0107 Advance  47.0604 Introduce  48.0701 Woodwe  32.0199 Student  Many Utah post-secondar  two- or four-year degree t	CLASS AVAILABILITY MAY VARY AT YOU  Course # Foundation Courses: (required)  47.0105 Basic Electronics  47.0108 Digital Electronics  Elective Courses:  15.1301 Drafting & Design Technology  46.0302 Electrician 1  47.0107 Advanced Electronics  47.0604 Introduction to Automotive  48.0701 Woodworking  32.0199 Student Internship (Critical Workplan Many Utah post-secondary programs accept high sch	CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL  Course # Foundation Courses: (required) Credit  47.0105 Basic Electronics .50  47.0108 Digital Electronics 1.00  Elective Courses:  15.1301 Drafting & Design Technology .50  46.0302 Electrician 1 1.00  47.0107 Advanced Electronics 1.00  47.0604 Introduction to Automotive .50  48.0701 Woodworking .50  32.0199 Student Internship (Critical Workplace Skills) .50  Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment.	CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL  Course # Foundation Courses: (required)			

Area of Study: Skilled & Technical Sciences Education

# Pathway: Mechanics & Repairs Heavy Duty Diesel





### College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- ApprenticeshipMilitary training

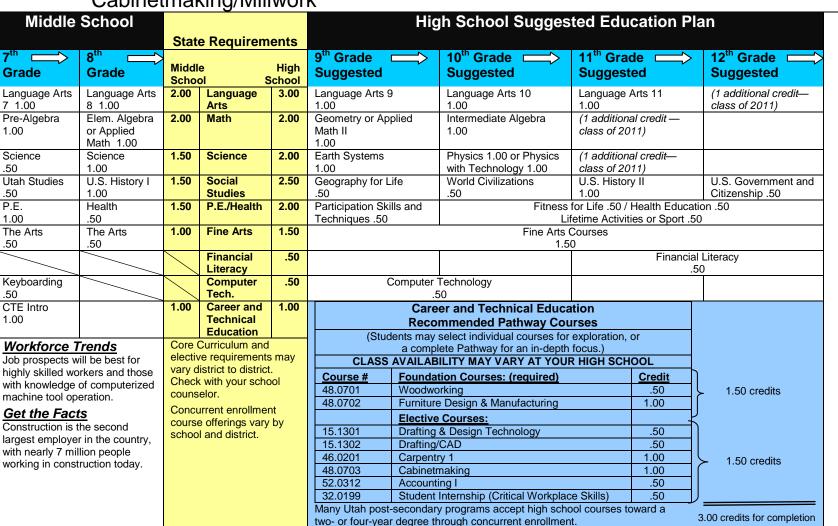
### Sample Occupations

- > Diesel Engine Specialist
- > Heavy Duty Diesel Teacher
- > Mechanics and Repairer Helper

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Skilled & Technical Sciences Education

Pathway: Precision Production Trades
Cabinetmaking/Millwork



Check regional post-secondary Pathways for details.

### College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- On-the-job trainingApprenticeship
- > Military training

### Sample Occupations

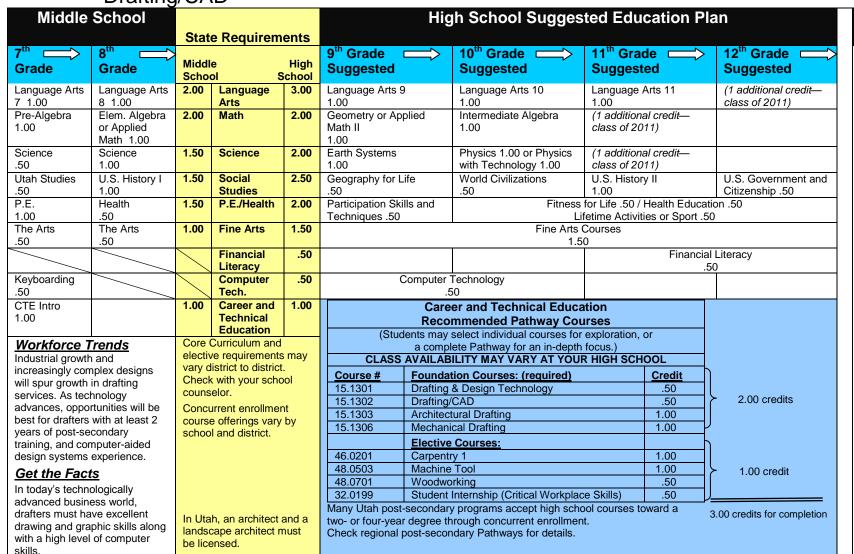
- > Cabinetmaker
- >Cabinetmaking/ Millwork Teacher
- > Carpenter
- > Carpenter Helper
- > Finish Carpenter
- > Foreman
- > Line Supervisor

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.

009903

Area of Study: Skilled & Technical Sciences Education

# Pathway: Precision Production Trades Drafting/CAD





## College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

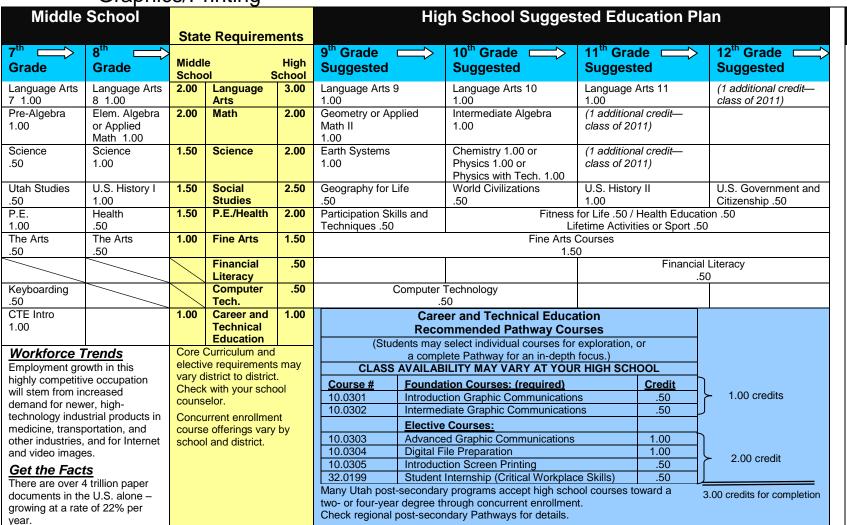
### Sample Occupations

- > Architectural Drafter
- > Civil Engineer
- > Computer-Aided Drafter
- > Drafting/CAD Teacher
- > Interior Designer
- > Landscape Designer
- > Mechanical Drafter
- > Surveyor
- > Urban Planner

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Skilled & Technical Sciences Education

Pathway: Precision Production Trades Graphics/Printing



CREER TO INICAL

## College & Careers

#### Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor's degree
- > Professional degree
- > On-the-job training
- ApprenticeshipMilitary training

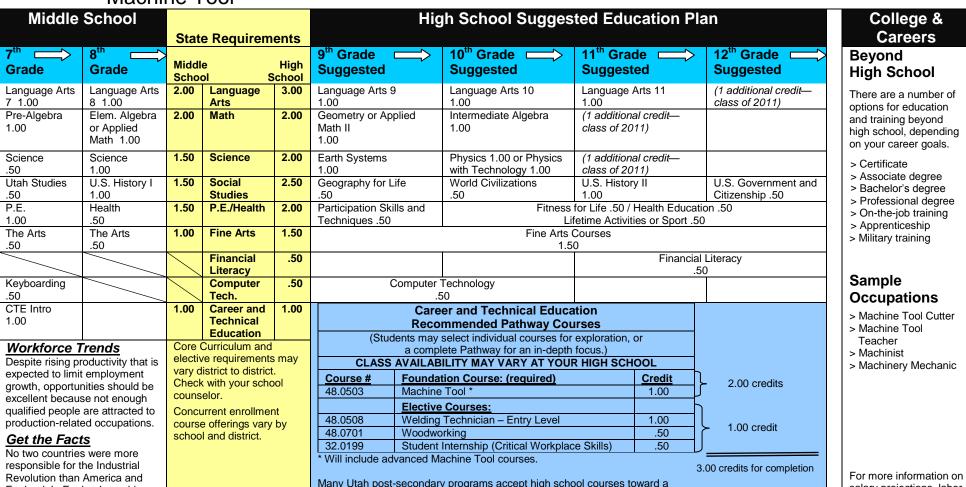
### Sample Occupations

- > Graphic Designer
- > Graphics/Printing Teacher
- > Printing Machine Operator

For more information on salary projections, labor market demand, and training options, visit <a href="https://www.careers.utah.gov">www.careers.utah.gov</a>.

Area of Study: Skilled & Technical Sciences Education

# Pathway: Precision Production Trades Machine Tool



two- or four-year degree through concurrent enrollment.

Check regional post-secondary Pathways for details.

009917

**Note:** For more information, talk to your school counselor.

England. In England, machines

served to make talented

artisans better. In America.

machines served to make entrepreneurs more productive.

salary projections, labor

market demand, and

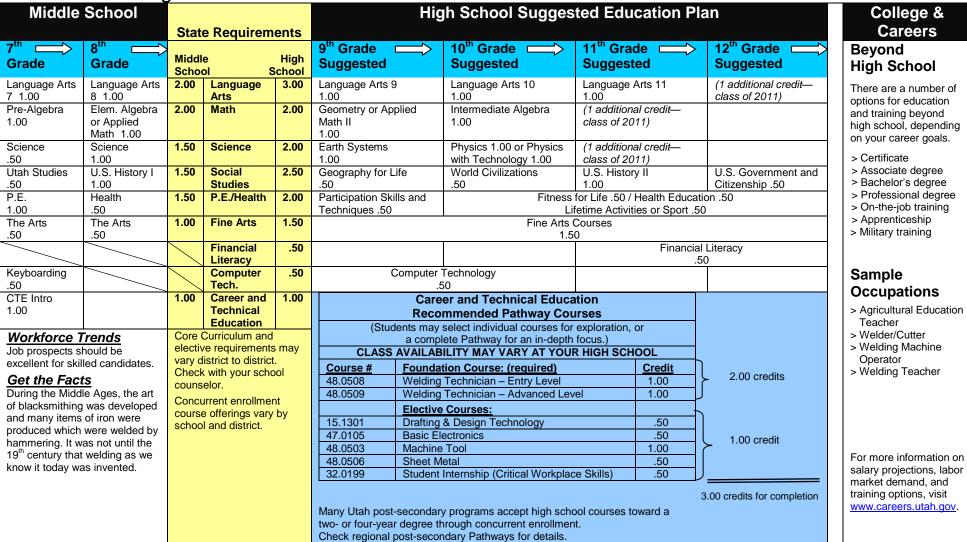
training options, visit

www.careers.utah.gov.

Area of Study: Skilled & Technical Sciences Education

Pathway: Precision Production Trades

Welding



009920

Pathway: Personal Service

Cosmetology/Barbering



	Cosme	tolog	gy/Barb	ering	g							
Middle	School		e Requiren		Hi	Plan	College & Careers					
7 <sup>th</sup> =	8 <sup>th</sup>	Midd		Lliada	9 <sup>th</sup> Grade $\Longrightarrow$	10 <sup>th</sup> Grade $\Longrightarrow$	11 <sup>th</sup> Grade $\qquad$		Beyond			
Grade	Grade	Scho		High School	Suggested	Suggested	Suggested	Suggested	High School			
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education			
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.			
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00 or Chemistry 1.00	(1 additional credit— class of 2011)		> Certificate > Associate degree			
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	<ul><li>&gt; Bachelor's degree</li><li>&gt; Professional degree</li></ul>			
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness	for Life .50 / Health Educifetime Activities or Sport	ation .50	> On-the-job training > Apprenticeship			
The Arts .50	The Arts .50	1.00	Fine Arts	1.50		> Military training						
100			Financial Literacy	.50		1.5		ial Literacy .50	Sample			
Keyboarding .50			Computer Tech.	.50		Technology .50			Occupations			
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Reco	eer and Technical Educa ommended Pathway Cou y select individual courses for	urses		<ul><li>&gt; Barber</li><li>&gt; Cosmetologist</li><li>&gt; Cosmetology/</li></ul>			
Workforce 7 Population grow		Core Curriculum and elective requirements may			a com	Barbering Teacher						
expanding servi expected to creat prospects amon	ate good job	Chec	vary district to district. Check with your school counselor.		12.0401 Cosme		<u>Credit</u> 1.00	3.00 credits— Cosmetology				
Get the Fact	ts	cours	urrent enrollme e offerings var		12.0402 Barberi	ose the following course: ing** re Courses:	1.00	2.00 credits— Barbering				
clean up oil spill natural ability to	s. Hair has a absorb oils.	schoo	ol and district.		12.0409 Nail Te 12.0409 Basic E	chnician Esthetician and Skin Care	1.00					
scrap hair from	Researchers have begun to use scrap hair from barbershops and beauty salons to keep our				52.0311 Busines	ss Management	.50 .50	1.00 credit				
water clean.	water clean.					t Internship (Critical Workplad	.50 ce Skills) .50	<u> </u>	For more information on salary projections, labor			
	In Utah, a cosmetologist or barber must be licensed.				* Will include advanced C ** Will include advanced			4.00 credits for completion— Cosmetology	market demand, and training options, visit			
						rry programs accept high sch through concurrent enrollmer ondary Pathways for details.		3.00 credits for completion— Barbering	www.careers.utah.gov.			

### Pathway: Personal Service

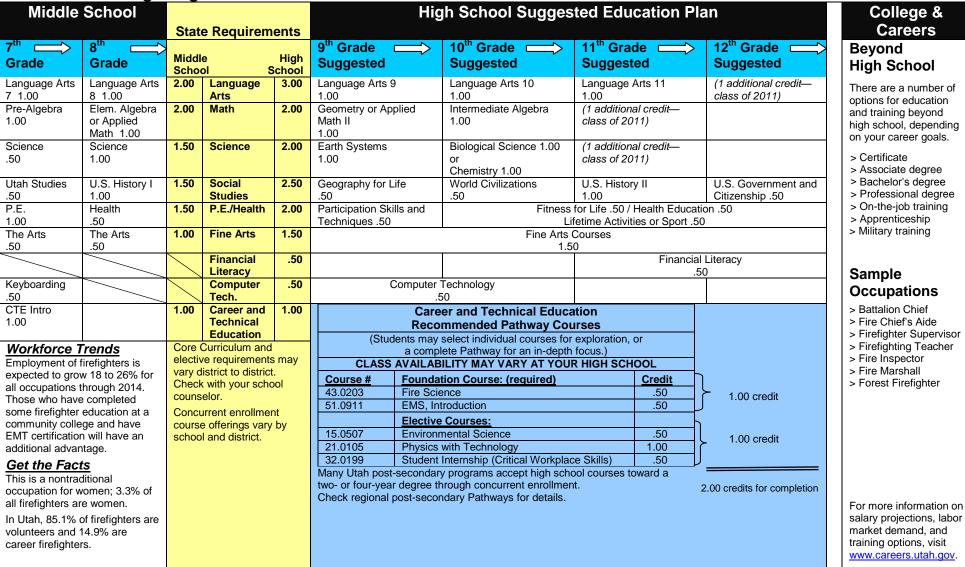
Esthetician/Nail Technician

Middle School State Require			e Requirem	ents	Hig	College & Careers			
7 <sup>th</sup> $\Longrightarrow$ Grade	8 <sup>th</sup> —> Grade	Middl Schoo		High School	9 <sup>th</sup> Grade Suggested	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade —— Suggested	Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00 or Chemistry 1.00	(1 additional credit— class of 2011)		> Certificate > Associate degree
Utah Studies .50 P.E.	U.S. History I 1.00	1.50	Social Studies P.E./Health	2.50	Geography for Life .50 Participation Skills and	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	> Bachelor's degree > Professional degree > On-the-job training
1.00 The Arts	Health .50 The Arts		1.50     P.E./Health     2.00     Participation Skills and Techniques .50     Fitness for Life .50 / Health Education .50       1.00     Fine Arts     1.50   Fine Arts Courses						<ul><li>Apprenticeship</li><li>Military training</li></ul>
.50	.50		Financial	.50		1.5	0	icial Literacy	
Keyboarding			Literacy Computer	.50	Computer	Technology		.50	Sample Occupations
.50			Tech.			50			> Manicurist
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Reco	er and Technical Educa mmended Pathway Cou select individual courses for	ırses		> Nail Technician Teacher
Workforce 7 Population grow			Curriculum and requirements		a compl	lete Pathway for an in-depth		> Pedicurist > Esthetician	
expanding service expected to create	ces are ate good job	vary district to district. Check with your school		t. ool		tion Course: (required)	<u>Credit</u> 1.00	1.00 credit— Esthetician	> Esthetician Teacher > Skin Care Specialist
prospects amon and pedicurists.	-	counselor. Concurrent enrollment			Or choo.	se the following course:	1.00	1.00 credit— Nail Technician	
Get the Fact	ts nicured is a very		e offerings vary I and district.	by by	Elective	Courses:	4.00		
ancient activity.	There is				12.0401 Cosmeto 12.0402 Barberin		1.00 1.00		
evidence that ev ago it was know					52.0211 Business 52.0311 Business	s Management s Math	.50 .50		
predecessors.  In Utah, an elect	trologist and nail				52.0312 Account	ing I	.50		
In Utah, an electrologist and nail technician must be licensed.					* Will include advanced Co ** Will include advanced B	sarbering courses.	2.00 credits for completion— Esthetician	For more information on salary projections, labor market demand, and	
					Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment.  Check regional post-secondary Pathways for details.  2.00 credits for completion— Nail Technician				training options, visit www.careers.utah.gov.

Area of Study: Skilled & Technical Sciences Education

Pathway: Protective Service

Firefighting



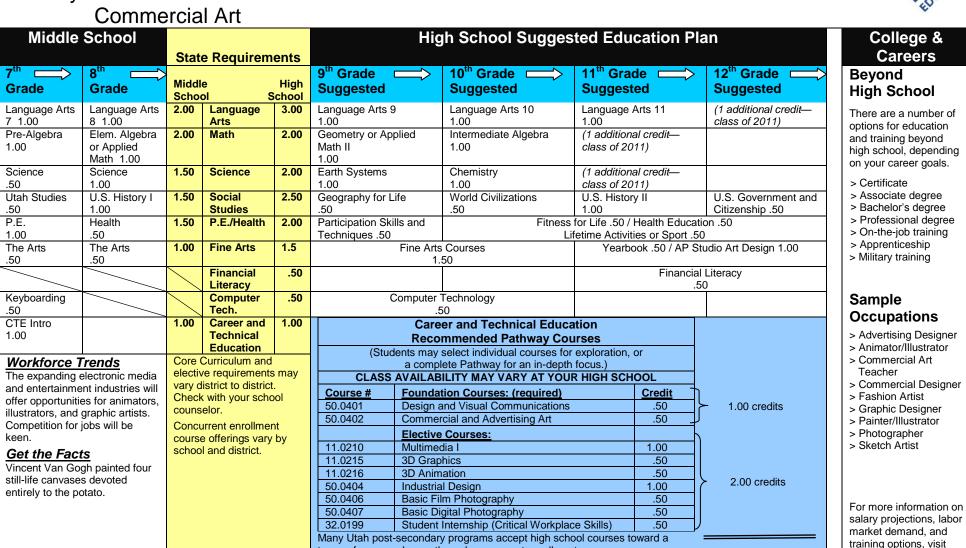
Pathway: Protective Service Law Enforcement



	Law En	IOIC	emeni						
Middle	School	Stat	e Requirem	ents	Hiç	Plan	College & Careers		
7 <sup>th</sup> Crade	8 <sup>th</sup> Crade	Middl Scho	e ol S	High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade Suggested	> 12 <sup>th</sup> Grade Suggested	Beyond High School
Language Arts 7 1.00 Pre-Algebra 1.00	Language Arts 8 1.00 Elem. Algebra or Applied Math 1.00	2.00	Language Arts Math	2.00	Language Arts 9 1.00 Geometry or Applied Math II 1.00	Language Arts 10 1.00 Intermediate Algebra 1.00	Language Arts 11 1.00 (1 additional credit— class of 2011)	(1 additional credit— class of 2011)	There are a number of options for education and training beyond high school, depending on your career goals.
Science .50 Utah Studies .50 P.E.	Science 1.00 U.S. History I 1.00	1.50	Science Social Studies	2.50	Earth Systems 1.00 Geography for Life .50	Biological Science 1.00 World Civilizations .50	(1 additional credit— class of 2011) U.S. History II 1.00	U.S. Government and Citizenship .50	> Certificate > Associate degree > Bachelor's degree > Professional degree
1.00 The Arts	Health .50 The Arts .50	1.50	P.E./Health  Fine Arts  Financial	2.00 1.50	Participation Skills and Techniques .50		50		> On-the-job training > Apprenticeship > Military training
Keyboarding .50		1.00	Career and	.50		 Technology 50 eer and Technical Educ	ation	.50	Sample Occupations
Workforce 7 Employment of detectives is expincrease 9 to 17 year 2014. A moconscious socie about drug-relat contribute to the demand for polic Get the Factor There are appropriate officers now serrounited States. A			s may	Reco (Students may a comp CLASS AVAILAE Course # Founda 43.0107 Law Enf 51.0911 EMS, In Elective 15.0507 Environ 21.0105 Physic v 32.0199 Student Many Utah post-secondar two- or four-year degree ti	ser and Technical Educemmended Pathway Co select individual courses for select individual courses for select Pathway for an in-depth select Pathway for an in-depth select Pathway for select (required) forcement for selection s	urses r exploration, or n focus.)  IR HIGH SCHOOL  Credit .50 .50 .50 .1.00 ace Skills) .50 acol courses toward a	1.00 credit  1.00 credit  2.00 credits for completion	> Correctional Officer > Deputy Sheriff > Law Enforcement Teacher > Police Detective & Criminal Investigator > Police Patrol Officer > Police Supervisor Sheriff  For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.	

Area of Study: Skilled & Technical Sciences Education

Pathway: Visual Arts



two- or four-year degree through concurrent enrollment.

Check regional post-secondary Pathways for details.

Note: For more information, talk to your school counselor.

www.careers.utah.gov.

3.00 credits for completion

Pathway: Visual Arts

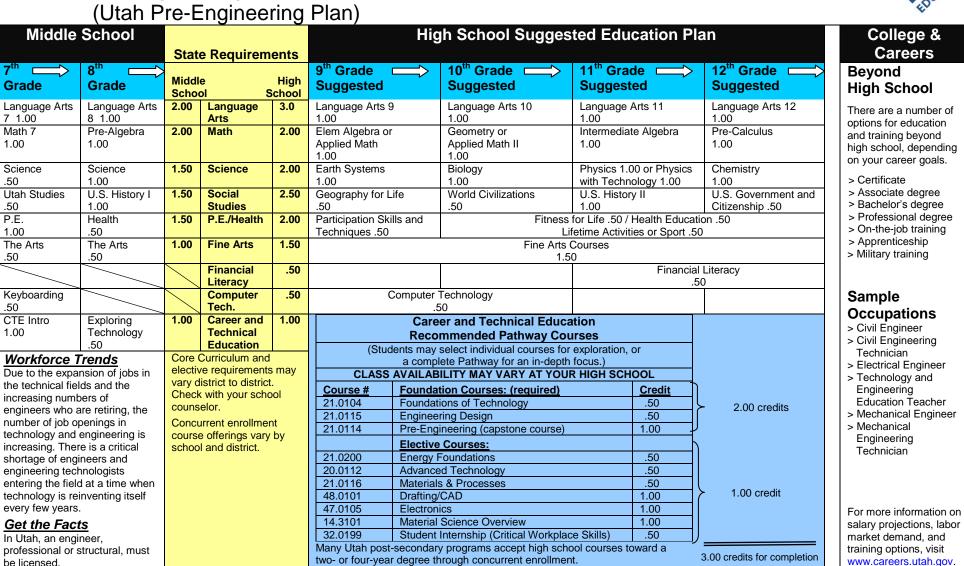
Commercial Photography



	Comme			yrap							
Middle	School	Stat	e Requiren	nents	ı	High School Suggested Education Plan					
7 <sup>th</sup> Crade	8 <sup>th</sup> Crade	Middl Scho		High School	9 <sup>th</sup> Grade —— Suggested	> 10 <sup>th</sup> Grade	11 <sup>th</sup> Grade ——) Suggested	> 12 <sup>th</sup> Grade	Beyond High School		
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit— class of 2011)	There are a number of options for education		
Pre-Algebra 1.00	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit— class of 2011)		and training beyond high school, depending on your career goals.		
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Chemistry 1.00 or Physics 1.00 or Physics with Tech. 1.00	(1 additional credit— class of 2011)		> Certificate > Associate degree		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	> Bachelor's degree > Professional degree		
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50		for Life .50 / Health Educifetime Activities or Sport		<ul><li>On-the-job training</li><li>Apprenticeship</li></ul>		
The Arts	The Arts .50	1.00	Fine Arts	1.50	·	Art Foundations 1.00		rts Courses 1.50	> Military training		
			Financial Literacy	.50			Financ	ial Literacy .50	Sample		
Keyboarding .50			Computer Tech.	.50	Сотр	uter Technology .50			Occupations		
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Re	career and Technical Educatecommended Pathway Country select individual courses for	urses		> Camera Operator > Commercial Photography Teacher		
Workforce The number of			Core Curriculum and elective requirements may		à co	omplete Pathway for an in-depth  LABILITY MAY VARY AT YOU	focus.)	>	> Photographer		
photographers increase along	s projected to with the	vary o	listrict to districk with your sch	t.	Course # Fou	ndation Courses: (required) ose one of the following "Basic"	Credit				
population. New should arise wit media compani	h Internet-based	Conc	urrent enrollme e offerings var		50.0407 Basi	c Film Photography c Digital Photography	.50 .50	1.00 credit			
competition is e	xpected.		ol and district.	, Dy		anced Commercial Photography	.50	1			
	ography" comes		dation courses		11.0210 Mult	imedia Graphics	1.00 .50				
from the Greek and writing.	words for light	beyond the required credits can be used as elective credit.			11.0216 3D A 50.0401 Desi	Animation ign and Visual Communications	.50 .50	1.00 credit	For more information on		
		oroun			32.0199 Stud	nmercial and Advertising Art lent Internship (Critical Workplac		$\mathbb{I}_{-}$	salary projections, labor market demand, and training options, visit		
					two- or four-year degre	ndary programs accept high schee through concurrent enrollmer	ool courses toward a nt.	2.50 credits for completion	www.careers.utah.gov.		
1					Uneck regional post-se	econdary Pathways for details.					

Area of Study: Technology and Engineering Education

Pathway: Pre-Engineering



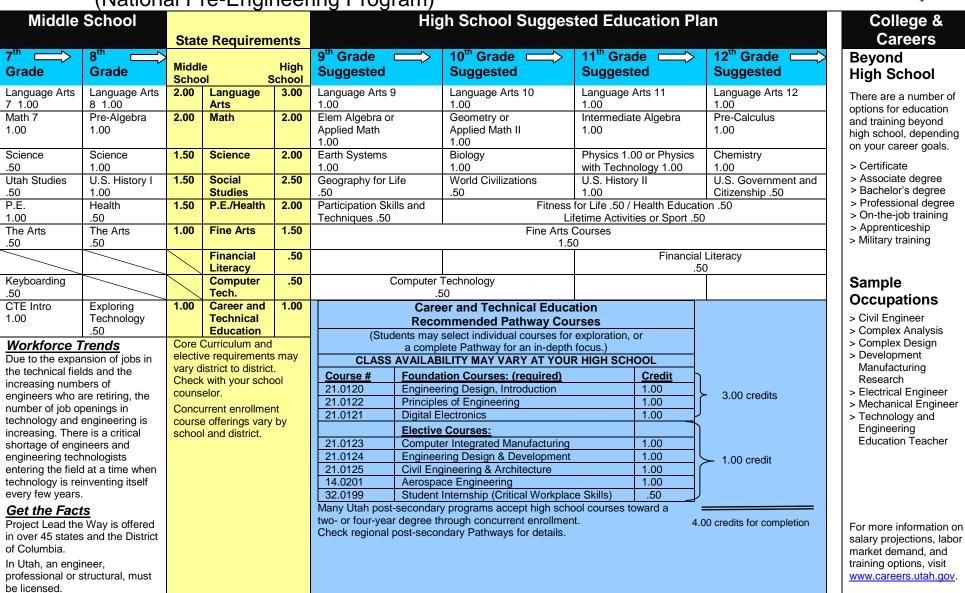
Check regional post-secondary Pathways for details.

002102

Area of Study: Technology and Engineering Education

Pathway: Project Lead the Way

(National Pre-Engineering Program)



002101